GenCore version 5.1.4_p5_4578 Copyright (c) 1993 - 2003 Compugen Ltd.

Novel human diagno peptide #10933 enc Human brain expres Peptide #11352 enc Novel human diagno

Peptide #12538 enc

Novel human diagno Novel human diagno A murine c-myc cod Novel human diagno Human polypeptide. Human polypeptide Human lung tumour Human lung tumour

Human Human

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AAB11328
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                                                                                                                                      Description
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02-APR-1999;
17-DEC-1999;
30-DEC-1999;
10-JAN-2000;
22-FEB-2000;
WPI; 2000-628399/60
N-PSDB; AAC65900.
                                    Wang T,
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                                                                                                                                                                                          19-OCT-2000.
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                                                                                                                                                                                                                                                                  Lung cancer; therapy; treatment; human; tumor; immunogenic; cytostatic;
vaccine; detection.
                                                                                                                                                                                                                                                                                                       Human lung cancer-associated protein L523S.
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                           ABB74960;
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02-AUG-2000;
21-AUG-2000;
15-SEP-2000;
19-OCT-2000;
12-DEC-2000;
07-MAY-2001;
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McNeill
                                                                                                                                                                                                                                                                                                                                 Sequence
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KIEQDTDTKITISPLQELTLYNPERTITVKGNVETCAKAEEEIMKKIRESYENDIASMNL
                                     EKSITILSTPEGTSAACKSILEIMHKEAQDIKFTEEIPLKILAHNNFVGRLIGKEGRNLK
                                                                                        ROGSPGSVSKQKPCDLPLRLLVPTQFVGAIIGKEGATIRNITKQTQSKIDVHRKENAGAA 240
                                                                                                                            VVNVTYSSKDQARQALDKLNGFQLENFTLKVAYIPDEMAAQQNPLQQPRGRRGLGQRGSS
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DB; ABL49119.
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PD, Fanger N,
TS, Carter D,
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2000US-0630940.
2000US-0643597.
2000US-0662786.
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2000US-0735705.
2000US-0850716.
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Retter MW, Marnerakis M,
Watanabe Y, Peckham DW;
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                                                 This invention describes a novel isolated polypeptide (I) which comprising an immunogenic portion of a lung tumor protein or variant (P2) which have cytostatic activity. The polypeptides and polynucleotides are used in compositions and vaccines to inhibit the development of cancer, especially lung cancer, in a patient. Methods described in the invention can be used to monitor the progression of a cancer by carrying out the detection at subsequent time points and comparing the results from the different time points. Ob4+ and/or CD8+ T-cells isolated from a patient are treated with P2, polynucleotides encoding P2 or antigen presenting cells expressing P2 and then administered to the patient to inhibit
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 Sequence
                                       development of cancer.
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                                                                                                                                                                                                                                                                                                    Isolated polypeptide comprising an immunogenic portion of a protein is used for detecting and monitoring progression of
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2000US-0510376
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99US-0466396.
99US-0476496.
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Best Local S
Matches 577
 28-JUN-2000;
02-AUG-2000;
21-AUG-2000;
15-SEP-2000;
09-OCT-2000;
12-DEC-2000;
                                                                                                                                                                                                                                                                    Human;
immune
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Human lung tumour L523S protein sequence SEQ
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KIEQOTOTKITISPLQELTLYNPERTITYKGNVETCAKAEEEIMKKIRESYENDIASMNL
KIEQOTOTKITISPLQELTLYNPERTITYKGNVETCAKAEEEIMKKIRESYENDIASMNL
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                                                                                                                                                                                                                  lung tumo response.
; 2000US-0606421.
; 2000US-0630940.
; 2000US-0643597.
; 2000US-0662786.
; 2000US-0685696.
; 2000US-0735705.
                                                                                                                                                                                                                               tumour; lung cancer;
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                                                                                                    2001WO-US21065
                                                                                                                                                                                                                                                                                          (first entry)
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Best Local
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N-PSDB;
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Vedvick TS,
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                                      QAHLIPGLNLNALGLEPPTSGMPPPTSGPPSAMTPPYPQFEQSETETVHQFIPALSVGAI 420
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                                                                                                                                      SPKEEVKLEAHIRVPSFAAGRVIGKGGKTVNELQNLSSAEVVVPRDQTPDENDQVVVKIT 540
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DB; ABL49254.
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577; Conser
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      579 AA;
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Carter D,
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ger N, Retter
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, Marnerakis M,
Y, Peckham DW;
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Fanger GR;
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                                                                                                                                                                                                                                                                                                                                                                                                           The present invention describes human lung tumour proteins. Human lung tumour proteins and polynucleotides have cytostatic and immunostimulant activities, and can be used in vaccine production. Compositions comprising the lung tumour proteins, polynucleotides, antibodies, fusion proteins, T cell populations, or antigen presenting cancer or stimulating an immune response. ABL48959 to ABL49300 and ABB74946 to ABB75070 represent sequences used in the exemplification of the present response.
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                                                                                                                                                                                                                                                                                                                                                        Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Polynucleotides encoding lung lung cancer or stimulating an
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N-PSDB; ABL49297.
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Vedvick TS,
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RQGSPGSVSKQKPCDLPLRLLVPTQFVGAIIGKEGATIRNITKQTQSKIDVHRKENAGAA 240
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                                                         VVNVTYSSKDQARQALDKLNGFQLENFTLKVAYIPDETAAQQNPLQQPRGRRGLGQRGSS
                                                                         VVNVTYSSKDQARQALDKLNGFQLENFTLKVAYIPDEMAAQQNPLQQPRGRRGLGQRGSS 180
                                                                                                                               IELHGKPIEVEHSVPKRQRIRKLQIRNIPPHLQWEVLDSLLVQYGVVESCEQVNTDSETA 120
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Fanger N, Retter MW, Marnerakis M,
Carter D, Watanabe Y, Peckham DW;
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2000US-0630940.
2000US-0643597.
2000US-0662786.
2000US-0662786.
2000US-0735705.
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McNeill
Vedvick
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12-DEC-2000;
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  tumour proteins and activities, and can
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                                                           Polynucleotides encoding lung tumor polypeptides, useful lung cancer or stimulating an immune response - \,
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N-PSDB; ABL49299.
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present invention describes human lung tumour proteins. Human lung our proteins and polynucleotides have cytostatic and immunostimulant ivities, and can be used in vaccine production. Compositions
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TS,
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                                        Page 368-369; 374pp; English.
                                                                                                                        Fanger
Carter
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2000US-0735705.
2001US-0850716.
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Y, Peckham DW;
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15-SEP-2000;
09-OCT-2000;
12-DEC-2000;
482 PKEEVKLEAHIRVPSFAAGRVIGKGGKTVNELQNLSSAEVVVPRDQTPDENDQVVVKITG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 2; Page 354-355; 374pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Polynucleotides encoding lung lung cancer or stimulating an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2002-090513/12.
N-PSDB; ABL49283.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        07-MAY-2001;
                           429
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                                                                                                                               309
                                                                                                                                                                                   249
                                                                                                                                                                                                          242
                                                                             369
                                                                                                      362
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                                                                                                                                                                                                                                                            182
                                                                                                                                                                                                                                                                                     129
                                                                                                                                                                                                                                                                                                              122
                                                                                                                                                                                                                                                                                                                                       69
                                                                                                                                                                                                                                                                                                                                                              62
                                                                                                                                                                                                                                                                                                                                                                                  GKQGQHIKQLSRFAGASIKIAPAEAPDAKVRMVIITGPPEAQFKAQGRIYGKIKEENFVS
                                                                                                                                                                             KSITILSTPEGTSAACKSILEIMHKEAQDIKFTEEIPLKILAHNNFVGRLIGKEGRNLKK
                                                                                                                                           IEQDTDTKITISPLQELTLYNPERTITVKGNVETCAKAEEEIMKKIRESYENDIASMNLQ
                                                                                                                                                                                                                               AHLIPGLNLNALGLEPPTSGMPPPTSGPPSAMTPPYPQFEQSETETVHLFIPALSVGAII
                                                                                         AHLIPGLNLNALGLFPPTSGMPPPTSGPPSAMTPPYPQFEQSETETVHQFIPALSVGAII
                                                                                                                            IEQDTDTKITISPLQELTLYNPERTITVKGNVETCAKAEEEIMKKIRESYENDIASMNLQ
                                                                                                                                                                                                                                                                                    VNVTYSSKDQARQALDKLNGFQLENFTLKVAYIPDETAAQQNPLQQPRGRRGLGQRGSSR
                                                                                                                                                                                                                                                                                                 VNVTYSSKDQARQALDKLNGFQLENFTLKVAYIPDEMAAQQNPLQQPRGRRGLGQRGSSR 181
                                                                                                                                                                                                                                                                                                                                                 ELHGKPIEVEHSVPKRQRIRKLQIRNIPPHLQWEVLDSLLVQYGVVESCEQVNTDSETAV 121
                                                                                                                                                                                                                                                                                                                                    ELHGKPIEVEHSVPKRQRIRKLQIRNIPPHLQWEVLDSLLVQYGVVESCEQVNTDSETAV 128
                                                                                                                                                                                                                                                                                                                                                                                                                                      al Similarity 99.7
576; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Wang A, Skeiky YAW, Li SX
PD, Fanger N, Retter MW,
TS, Carter D, Watanabe Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORIXA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        586 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; 2000US-0606421.
2000US-0630940.
; 2000US-0643597.
; 2000US-0662786.
2000US-0685696.
; 2000US-0735705.
; 2001US-0850716.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2001WO-US21065
                                                                                                                                                                                                                                                                                                                                                                                                                                                 64.98;
                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 376; DB Pred. No. 0; 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                      0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              tumor polypeptides,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   immune response
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SX, Kalos MD,
Marnerakis M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Peckham DW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 23; Length 586;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              useful for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Henderson RA;
Fanger GR;
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                                                481
                                                                          428
                                                                                                   421
                                                                                                                                                                                                       301
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541
                        488
                                                                                                                            368
                                                                                                                                                                                308
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Query Match
Best Local Similarity
Matches 149; Conser

Conservative

0;

25.7%;

Score 149; Pred. No. Mismatches

DB 22; 5e-143; thes 0;

Length Indels

619; 0; Gaps

0

Sequence

619

AA;

Note: The sequence data for this patent did not appear in the printed specification, but was obtained in electronic format directly from WI at ftp.wipo.int/pub/published_pct_sequences.

WIPO

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                                                                             The invention relates to isolated polynucleotide (I) and copyopetide (II) sequences. (I) is useful as hybridisation probes, polymerase chain reaction (PCR) primers, oligomers, and for chromosome and gene mapping, and in recombinant production of (II). The polynucleotides are also used in diagnostics as expressed sequence tags for identifying expressed genes. (I) is useful in gene therapy techniques to restore normal activity of (II) or to treat disease states involving. (II), is useful in gene therapy techniques (II), (II) is useful for generating antibodies against it, detecting or quantitating a polypeptide in tissue, as molecular weight markers and as a food supplement. (II) and its binding partners are useful in medical imaging of sites expressing (II). (I) and (II) are useful for treating disorders involving aberrant protein expression or biological activity. The polypeptide and polynucleotide sequences have applications in caponstics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits to assess biodiversity and to produce other types of data and products dependent on DNA and diagnostic amino acid sequences. Abg00010-Abg30377 represent novel human for the accumence data for this nater and and not an analysis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            New isolated polynucleotide and encoded polypeptides, useful in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits and to assess biodiversity
                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 20; SEQ ID No 52322; 103pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               31-MAR-2000; 2000US-0540217.
23-AUG-2000; 2000US-0649167.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABG21963 standard;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; chromosome mapping; gene mapping; gene therapy; forensic;
food supplement; medical imaging; diagnostic; genetic disorder.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18-FEB-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                HFYACQVAQRKIQEILTQVKQHQQQKALQSGPPQSRRK 586
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAS86150
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Qy B 2 Ф 20

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RESULT 9
ABG21962
The invention relates to isolated polynucleotide (I) and C polymeptide (II) sequences. (I) is useful as hybridisation probes, CC polymerase chain reaction (PCR) primars, oligomers, and for chromosome CC and gene mapping, and in recombinant production of (II). The polynucleotides are also used in diagnostics as expressed sequence tags CC for identifying expressed genes. (I) is useful in gene therapy techniques CC (II). (II) is useful for generating antibodies against it, detecting or CC quantitating a polypeptide in tissue, as molecular weight markers and as CC a food supplement. (II) and its binding partners are useful in medical imaging of sites expressing (II). (I) and (II) are useful for treating CC disporters involving aberrant protein expression or biological activity. The polypeptide and polynucleotide sequences have applications in CC diagnostics, forensics, gene mapping, identification of mutations CC responsible for genetic disorders or other traits to assess biodiversity and to produce other types of data and products dependent on DNA and CC amino acid sequences. Abs00010-Abs03077 represent novel human diagnostic manino acid sequences of the invention.

CC Note: The sequence data for this patent did not appear in the printed consecution, but was obtained in electronic format directly from WIPO CC at ftp.wipo.int/pub/published_pct_sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New isolated polynucleotide and encoded polypeptides, useful in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits and to assess responsible for genetic disorders or other traits.
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food s
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                31-MAR-2000; 2000US-0540217
23-AUG-2000; 2000US-0649167
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  n; chromosome mapping; gene mapping; gene therapy; forensic
supplement; medical imaging; diagnostic; genetic disorder
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  No 52321; 103pp; English
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Qy

Matches

Conservative

Gaps

В

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RESULT 10
AAM78238
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Best Local
             Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                21-SEP-2000;
27-SEP-2000;
04-OCT-2000;
                                                                The present invention provides a number of single exon nucleic acid probes which are derived from genomic sequences expressed in the human bone marrow. They can be used to measure gene expression in bone marrow samples, which may enable the improved diagnosis and treatment of cancers such as lymphoma, leukaemia and myeloma. The present sequence is a protein encoded by one of the probes of the invention.
                                                                                                                                                                                                                        Penn
                                                                                                                                                                                                                                                                                                           26-MAY-2000;
30-JUN-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                           microarray; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAM78238 standard; Protein; 93
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
                                                                                                                                            Example 4; SEQ ID NO:
                                                                                                                                                                 analyzing
                                                                                                                                                                                                   WPI;
                                                                                                                                                                                                                                                                                                  03-AUG-2000;
                                                                                                                                                                                                                                                                                                                                  04-FEB-2000;
                                                                                                                                                                                                                                                                                                                                                       30-JAN-2001;
                                                                                                                                                                                                                                                                                                                                                                             09-AUG-2001
                                                                                                                                                                                                                                                                                                                                                                                                 WO200157276-A2
                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; bone marrow expressed exon;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human bone marrow expressed probe encoded protein SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 06-NOV-2001
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                                                                                                                                                                                                                                           (MOLE-)
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                                                                                                                                                                                                   2001-488900/53.
                                                                                                                                                                                                                        SG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 YGKIKEENFVSPKEEVKLEAHIRVPSFAAGRVIGKGGKT 109
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FIPALSVGAIIGKQGQHIKQLSRFAGASIKIAPAEAPDAKVRMVIITGPPEAQFKAQGRI 70
                                                                                                                                                                            genome-derived single exon nucleic acid probes useful for
   l Similarity
93; Conser
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                                                                                                                                                                                                                                             MOLECULAR DYNAMICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Similarity
                                                                                                                                                                 gene expression in human
                                                                                                                                                                                                                      Hanzel DK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  148
                                              93
                                                                                                                                                                                                                                                              2000US-0180312.
2000US-0207456.
2000US-0608408.
2000US-0632366.
2000US-0234687.
2000US-0236359.
2000US-0236359.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                       2001WO-US00668
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ΑA
                                                                                                                                                                                                                                                                                                                                                                                                                                            leukaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 17.1%;
100.0%;
            16.1%;
                                                                                                                                                                                                                      Chen
                                                                                                                                            38544; 658pp + Sequence Listing; English
                                                                                                                                                                                                                        Σ
                                                                                                                                                                                                                                             INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0;
   0,
             Score 93;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 99;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                           lymphoma; myeloma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            β
                                                                                                                                                                                                                         Rank DR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
   Mismatches
                                                                                                                                                                  bone marrow
                                                                                                                                                                                                                                                                                                                                                                                                                                                   gene expression analysis; probe;
DB 22,
5. 1.5e-86;
0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 B 22;
.7e-92;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      509
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 148
                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0;
   0;
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δõ

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RESULT 11
AAM38501
                                                        RESULT 12
ABG12592
ID ABG12
                                                                                                                                                                                                                                                                                                              Query Ma
Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         04-FEB-2000; 2000US-0180312.

26-MAY-2000; 2000US-0207456.

30-UUN-2000; 2000US-0608408.

03-AUG-2000; 2000US-0532366.

21-SEB-2000; 2000US-0234587.

27-SEB-2000; 2000US-023659.

04-0CT-2000; 2000GB-0024263.
                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention relates to single exon nucleic acid probes (SENP: see AAI31315-AAI57546). The present sequence is a peptide encoded by one such probe. The probes are useful for producing a microarray for predicting, measuring and displaying gene expression in samples derived from human placenta. The probes are useful for antenatal diagnosis of human genetic disorders.
                  ABG12592
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Probe; microarray; human; placenta; antenatal diagnosis;
genetic disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAM38501 standard; Protein;
                                                                                                                                                                                                                                                                                                                                                                                          Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-488897/53.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    17-OCT-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAM38501;
                                                        ABG12592 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 27; SEQ ID No 38770; 654pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human genome-derived single exon nucleic acid probes useful for analyzing gene expression in human placenta - \,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     30-JAN-2001; 2001WO-US00663
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             09-AUG-2001.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Peptide #12538 encoded by probe for measuring placental gene expression.
                                                                                                                                                                                                                              (MOLE-) MOLECULAR DYNAMICS INC
                                                                                                                                                       Local
                                                                                                                                                                                                                                                                                                                                                    Match
                                                                                                                                                                                                                                                                                                              93;
                                                                                                                                                                                                                                                                                                                                    Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Hanzel DK,
                                                                                                                                                                                                                                                                                                                                                                                          93
                                                                                                                                                                                                                                                                                                              16.1%;
llarity 100.0%;
Conservative
                                                                                                                                                                                                                                                                                                                                                                                          AA;
                                                        Protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    93
                                                                                                                                                                                                                                                                                                              0;
                                                                                                                                                                                                                                                                                                                                 Score 93;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Rank DR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AA
                                                        B
                                                                                                                                                                                                                                                                                                              Mismatches
                                                                                                                                                                                                                                                                                                       DB 22;
o. 1.5e~86;
0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   93
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    227
                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                       93;
                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                              0;
RESULT 13
ABB43427
ID ABB43
XX
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                                                                                                                                                                                                                              QY
                                                                                                                                                                                                                                                                                                                                                       В
                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to isolated polynucleotide (I) and CC polypeptide (II) sequences. (I) is useful as hybridisation probes, polymerase chain reaction (PCR) primers, oligomers, and for chromosome CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome can deep mapping, and in recombinant production of (II). The polymerise are also used in diagnostics as expressed sequence tags correctly in the production of (II) is useful in gene therapy techniques correctly (II) is useful for generating antibodies against it, detecting or correctly a polypeptide in tissue, as molecular weight markers and as a food supplement. (II) and its binding partners are useful in medical correctly in the polypeptide and polymerical activity. (I) and (II) are supplement. (II) and its binding partners are useful in medical correctly in the polypeptide and polymerication or biological activity. (I) and the produce sequences have applications in corresponsible for genetic disorders or other traits to assess biodiversity cannot be produce other types of data and products dependent on DNA and correctly camino acid sequences of the invention. The polypeptide and polymerical activity cannot be sequenced as a polymerical activity. (I) and the product dependent on DNA and correctly cannot be produce other types of data and products dependent on DNA and correctly cannot be sequenced as a polymerical activity. (I) and the product dependent on DNA and correctly cannot be sequenced as a polymerical correctly from WIPO cannot be sequenced as a polymerical correctly from WIPO at the polymerical correctly from WIP
                                                                                                                                                                                                                                                                        Query Match
Best Local S
Matches 65
                ABB43427 standard; Peptide;
                                                                                                                 260 ILEIM 264
|||||
264 ILEIM 268
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 20; SEQ ID No 42951; 103pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New isolated polynucleotide and encoded polypeptides, useful in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits and to assess biodiversity -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2001-639362/73.
N-PSDB; AAS76779.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Drmanac RT, Liu C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        31-MAR-2000;
23-AUG-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                30-MAR-2001; 2001WO-US08631
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11-OCT-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel human diagnostic protein #12583
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    18-FEB-2002
                                                                                                                                                                                                                                                                                                                                                    Sequence
                                                                                                                                                                                          supplement;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     chromosome mapping; gene mapping; gene therapy; forensic;
upplement; medical imaging; diagnostic; genetic disorder.
                                                                                                                                                                                                                                                                        65; Conserv
                                                                                                                                                                                                                                                                                                                                                       583 AA;
                                                                                                                                                                                                                                                                      11.2%; Sillarity 100.0%; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2000US-0540217
2000US-0649167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tang YT;
                     45
                                                                                                                                                                                                                                                                        Score 65; DB; Pred. No. 3e: 0; Mismatches
                  B
                                                                                                                                                                                                                                                                                         DB 22;
                                                                                                                                                                                                                                                                        0;
                                                                                                                                                                                                                                                                                                            Length 583;
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Gaps

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RESULT 14
AAM64356
ID AAM64
XX
AC AAM6
XX
DT 05-NC
DT 05-NC
TX
CX
CX
DX
HUMBAT
XX
HOMO
XX
HOMO
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                                                                                                                                                                                                                                                                                    Matches
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABB43427;
                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to a single exon nucleic acid probe for measuring human gene expression in a sample derived from human foetal liver. The single exon nucleic acid probes may be used for predicting, measuring and displaying gene expression in samples derived from human fetal liver. The present sequence is a peptide encoded by a single exon nucleic acid probe of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          04-FEB-2000; 2000US-0180312
26-MAY-2000; 2000US-0207456
30-JUN-2000; 2000US-0608408
03-AUG-2000; 2000US-0632366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Peptide #10933 encoded by human
                                                                                                                                                                                                                                                                                                                                                        Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21-SEP-2000;
27-SEP-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 09-AUG-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200157277-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (MOLE-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         04-OCT-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        30-JAN-2001; 2001WO-US00669
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens.
                                             Human; brain expressed (
microarray; Alzheimer's
epilepsy; cancer.
                                                                                                                                                                                                                                                                                                                                   Sequence
                                                                                                Human brain expressed single
                                                                                                                         05-NOV-2001
                                                                                                                                                                       AAM64356 standard; Protein; 45
 WO200157275-A2
                        Homo sapiens
                                                                                                                                                                                                                                 Local Similarity
les 45; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2001-483447/52.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          genome-derived single exon nucleic acid probes useful for zing gene expression in human fetal liver -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      foetal
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                                                                                                                                                                                                                                                                                                                                   45
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2000US-0632366.
2000US-0234687.
2000US-0236359.
2000US-0236359.
                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .(first entry)
                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        liver;
                                                                                                                                                                                                                                                                                                                                   AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ID NO 36062;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      gene expression;
                                                                                                                                                                                                                                                                                               100.0%;
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                                                            exon; genesse;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  639pp +
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                                                                                                                                                                                                                                                                                    0;
                                                                                                                                                                                                                                                                                               Score 45;
Pred. No.
                                                                      gene
                                                                                                exon
                                                                                                                                                                          ΑA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Rank DR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               foetal liver single exon probe
                                                                                                                                                                                                                                                                                     Mismatches
                                                            multiple sclerosis;
                                                                                               probe encoded protein SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    sequence listing;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        single exon
                                                                                                                                                                                                                                                                                               DB 22;
8.6e-38;
                                                                                                                                                                                                                                                                                                             22;
                                                                                                                                                                                                                                                                                                           Length 45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        nucleic acid probe
                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     English
                                                             s; probe;
schizophrenia;
                                                                                                                                                                                                                                                                                     0;
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NO:
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RESULT 15
AAM37315
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Best Local Similarity
Thehes 45; Conserve
 XZX
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21-SEP-2000;
27-SEP-2000;
                     04-FEB-2000;
26-MAY-2000;
30-JUN-2000;
30-AUG-2000;
03-AUG-2000;
21-SEP-2000;
27-SEP-2000;
04-OCT-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 probes which are derived from genomic sequences expressed in the human brain. They can be used to measure gene expression in brain cell samples, which may enable the diagnosis and improved treatment of nervous system diseases such as Alzheimer's disease, multiple sclerosis, schizophrenia,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        04-OCT-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            04-FEB-2000;
26-MAY-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  09-AUG-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Single exon nucleic acid probes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             30-JAN-2001;
                                                                                                                                                                                               Probe; microarray; genetic disorder.
                                                                                                                                                                                                                                                                                             AAM37315 standard; Protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        epilepsy and cancers. The present sequence is a protein encoded by one of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 4;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  30-JUN-2000;
                                                                                                                                09-AUG-2001
                                                                                                                                                    WO200157272-A2
                                                                                                                                                                         Homo sapiens
                                                                                                                                                                                                                             Peptide #11352
                                                                                                                                                                                                                                                    17-OCT-2001
                                                                                                                                                                                                                                                                          AAM37315;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              the probes of the invention.
                                                                                                          30-JAN-2001;
(MOLE-)
                                                                                                                                                                                                                                                                                                                                                               315 LQELTLYNPERTITVKGNVETCAKAEEEIMKKIRESYENDIASMN
                                                                                                                                                                                                                                                                                                                                                    1 LQELTLYNPERTITVKGNVETCAKAEEEIMKKIRESYENDIASMN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SG,
  MOLECULAR DYNAMICS INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hanzel DK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                        45 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2000US-0632366.
2000US-0234687.
2000US-0236359.
                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                     2000US-0207456.
2000US-0608408.
2000US-0632366.
2000US-0234687.
2000US-0236359.
2000US-0236359.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2000US-0180312
2000US-0207456
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2000GB-0024263
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2001WO-US00667
                                                                                                                                                                                                                                                    (first entry)
                                                                                                           2001WO-US00663
                                                                                     2000US-0180312
                                                                                                                                                                                                                               encoded by
                                                                                                                                                                                                           human;
                                                                                                                                                                                                                                                                                                                                                                                                        7.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     provides a number of single exon nucleic ac
ved from genomic sequences expressed in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   36461; 650pp + Sequence Listing;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Chen W,
                                                                                                                                                                                                          placenta; antenatal diagnosis
                                                                                                                                                                                                                               probe for
                                                                                                                                                                                                                                                                                                45
                                                                                                                                                                                                                                                                                                                                                                                               0;
                                                                                                                                                                                                                                                                                                                                                                                                         Score 45;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Rank DR
                                                                                                                                                                                                                                                                                                AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   for analyzing gene expression in
                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                measuring placental gene expression
                                                                                                                                                                                                                                                                                                                                                                                                         DB 22;
8.6e-38;
                                                                                                                                                                                                                                                                                                                                                                                                                   Length 45
                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                          359
                                                                                                                                                                                                                                                                                                                                                       45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      English
                                                                                                                                                                                                                                                                                                                                                                                                0;
                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       human
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0,

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Search completed: April 16, 2003, 16:34:35 Job time : 134.103 secs
                                                                                                                                                                                                             Query Match 7.8%; Score 45; DB 22; Length 45; Best Local Similarity 100.0%; Pred. No. 8.6e-38; Matches 45; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                  The present invention relates to single exon nucleic acid probes (SENP: see AA131315-AA157546). The present sequence is a peptide encoded by one such probe. The probes are useful for producing a microarray for predicting, measuring and displaying gene expression in samples derived from human placenta. The probes are useful for antenatal diagnosis of human genetic disorders.
                                                                                                                                                                                                                                                                                                                                     Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 27; SEQ ID No 37584; 654pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human genome-derived single exon nucleic acid probes useful for analyzing gene expression in human placenta \mbox{-}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2001-488897/53.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Penn SG, Hanzel DK, Chen W, Rank DR;
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γQ

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Sequence

27, Appl 27, Appl 4852, Ap 32, Appl 32, Appl

2, Appli 2, Appli 368, Appli 5, Appli

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Post-processing: Listing first 45 summaries
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Copyright (c) 1993 - 2003
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/cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
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/cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
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US-09-643-597-176
US-09-643-597-348
US-09-261-855-23
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US-09-261-855-14
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US-09-261-855-19
US-08-655-259-26
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US-08-762-500-25
US-08-858-858-17
US-08-858-858-17
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Compugen Ltd.,
                                                     Sequence 176, App
Sequence 348, App
Sequence 24, Appl
Sequence 27, Appl
Sequence 17, Appl
Sequence 17, Appl
Sequence 18, Appl
Sequence 18, Appl
Sequence 11, Appl
Sequence 11, Appl
Sequence 11, Appl
Sequence 19, Appl
Sequence 19, Appl
Sequence 10, Appl
Sequence 26, Appl
Sequence 27, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Description
     Sequence
Sequence
                                         Sequence
                                                                                                                                                                                                                                                                                                                                                                                              ; SOFTWARE: FastSEQ for Wi
SEQ ID NO 176
; LENGTH: 579
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-643-597-176
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; Patent No.
; GENERAL INF
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US-09-643-597-176
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APPLICANT: Skelky, Yasir A.W.
APPLICANT: Skelky, Yasir A.W.
APPLICANT: Henderson, Robert A.
APPLICANT: MCNeill, Patricia D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CA
FILE REFERENCE: 210121.455C11
CURRENT APPLICATION NUMBER: US/09/643,597
CURRENT FILING DATE: 2000-08-21
NUMBER OF SEQ ID NOS: 369
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
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Best Local Similarity 100.0%; Pred. No. 0;
Matches 579; Conservative 0; Mismatches
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                                                                                                                               121 VVNVTYSSKDQARQALDKLNGFQLENFTLKVAYIPDEMAAQQNPLQQPRGRRGLGQRGSS 180
                                                                                                                                                                                   61
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                                                                                                                                                                                                                                                      EKSITILSTPEGTSAACKSILEIMHKEAQDIKFTEEIPLKILAHNNEVGRLIGKEGRNLK
                                     RQGSPGSVSKQKPCDLPLRLLVPTQFVGAIIGKEGATIRNITKQTQSKIDVHRKENAGAA 240
                                                                                                                                                                                                   IELHGKPIEVEHSVPKRORIRKLQIRNIPPHLQWEVLDSLLVQYGVVESCEQVNTDSETA 120
                                                                                                           VVNVTYSSKDQARQALDKLNGFQLENETLKVAYIPDEMAAQQNPLQQPRGRRGLGQRGSS
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5. 6426072
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Bangur, Chaitanya S
Hosken, Nancy
Fanger, Gary R.
Li, Samuel X.
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Fan, Ligun
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US-09-166-028-27

US-09-134-001C-4852

US-08-612-788-32

US-08-612-788-32

US-08-612-788-32

US-09-631-548-2

US-09-134-001C-3668

US-08-48-629A-5

US-08-48-629A-5

US-08-48-629A-5

US-08-48-1932-5

US-08-48-1932-5

US-08-48-1932-5

US-08-48-1932-5

US-08-48-1933-5

US-08-612-788-5

US-08-65-5988-5

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US-09-066-028-5

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Result No.

Score

362 363 363 363 363 371 371 377 777 7777

0;

Gaps

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60 60 Database :

Minimum DB Maximum DB

Word size Searched: Scoring table: Sequence: Title: Perfect score: ð

protein

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APPLICANT: Bangur, Chaltanya S.
APPLICANT: Hosken, Nancy
APPLICANT: Hosken, Nancy
APPLICANT: Edger, Gary R.
APPLICANT: Li, Samuel X.
APPLICANT: Manger, Gary R.
APPLICANT: Menderson, Robert A.
APPLICANT: Mendel11, Particla D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIACNOSIS OF LUNG CANCER
FILE REFERENCE: 2001-08-21
CURRENT APPLICATION NUMBER: US/09/643,597
CURRENT FILING DATE: 2000-08-21
NUMBER OF SEQ ID NOS: 369
SOFTWARE: Faster for Windows Version 3.0
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US-09-643-597-348
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US-09-643-597-348
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Matches 577; Conservative
                                                                                                                                                                                                                                                                                        Query Match
Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Patent No.
                                                                                                                                                                                                                                                                                                                                                                                Q ID NO 348
LENGTH: 579
                 181 RGGSPGSVSKQRPCDLPLRLLVPTQFVGAIIGKEGATIRNITKQTQSKIDVHRRENAGAA 240
181 RQGSPGSVSKQRPCDLPLRLLVPTQFVGAIIGKEGATIRNITKQTQSKIDVHRKENAGAA 240
181 RQGSPGSVSKQKPCDLPLRLLVPTQFVGAIIGKEGATIRNITKQTQSKIDVHRKENAGAA 240
                                                                              121 VVNVTYSSKDQARQALDKLNGFQLENFTLKVAYIPDEMAAQQUPLQQPEGRRGLGQRGSS 180
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                                                                                                                                         IELHGKPIEVEHSVPKRORIRKLQIRNIPPHLQWEVLDSLLVQYGVVESCEQVNTDSETA
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6426072
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Fan, Liqun
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RESULT 4
US-09-261-855-23
(Sequence 23, Application US/09261855A)
Fatent No. 6255055
(GENERAL INFORMATION:
TITLE OF INVENTION: (The C-MYC CODING REGION DETERMINANT-BINDING PROTEIN
TITLE OF INVENTION: THE C-MYC CODING REGION DETERMINANT-BINDING PROTEIN
TITLE OF INVENTION: (The D-MYC CODING REGION DETERMINANT-BINDING PROTEIN
TITLE OF INVENTION: (The D-MYC CODING REGION DETERMINANT-BINDING PROTEIN
TITLE OF INVENTION: (The D-MYC CODING REGION DETERMINANT-BINDING PROTEIN
TITLE OF INVENTION: (The D-MYC CODING REGION DETERMINANT-BINDING PROTEIN
TULE REFERENCE: 960296.95131
CURRENT FILING DATE: 199-03-03
(CURRENT FILING DATE: 199-03-03
(C
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US-09-261-855-24
US-09-261-855-24
; Sequence 24, Application US/09261855A
; Patent No. 625505;
; ERNERAL INFORMATION:
TITLE OF INVENTION: (THE C-MXC CODING REGION DETERMINANT-BINDING PROTEIN
TITLE OF INVENTION: (The D-MXC CODING REGION DETERMINANT-BINDING PROTEIN
TITLE OF INVENTION: (The C-MXC CODING REGION DETERMINANT-BINDING PROTEIN
TITLE OF INVENTION: (The C-MXC CODING REGION DETERMINANT-BINDING PROTEIN
TITLE OF INVENTION: (The C-MXC CODING REGION DETERMINANT-BINDING PROTEIN
TULKE OF DETERMINANT US/09/261,855A
CURRENT FILING DATE: 199-03-03
CURRENT FILING DATE: 199-03-03
UMBER OF SEQ ID NOS: 46
; SEQ ID NO 24
LENGTH: 48
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Best Local Similarity 100.0%;
Matches 48; Conservative
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OHILIPGLNUNALGLEPPTSGMPPPTSGPPSAMTPPYPOPEQSETETWHOFTPALSYGAI 420

OAHLIPGLNUNALGLEPPTSGMPPPTSGPPSAMTPPYPOPEQSETETVHLFIPALSYGAI 420
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Score 47;

DB 4;

Length

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US-09-261-855-2
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US-09-261-855-17
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Patent No. 6253055
Patent No. 1000 No. 10
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SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 22
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PATENT NO. 6255055
GENERAL INFORMATION:
APPLICANT: ROSS, Jeffrey
TITLE OF INVENTION: (TRO-BP) AND ITS NUCLEIC ACID SEQUENCE
FILE REFERENCE: 960296.95131
                          Sequence 2, Application US/09261855A Patent No. 625055
GENERAL INFORMATION:
APPLICANT: Ross, Jeffrey
TITLE OF INVENTION: THE C-MYC CODING
TITLE OF INVENTION: (CRD-BP) AND ITS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 6.2%; Score 36; DB Best Local Similarity 100.0%; Pred. No. 2.8 Matches 36; Conservative 0; Mismatches
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Best Local (
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FILE REFERENCE: 960296.95131
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TYPE: PRT
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Local Similarity 100.0%; Pred. No. 3.:
tes 42; Conservative 0; Mismatches
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0; Mismatches 0;
                              REGION DETERMINANT-BINDING PROTEIN NUCLEIC ACID SEQUENCE
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. 3.3e-34;
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; LENGTH: 577
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-261-855-2
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US-09-261-855-18
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US-09-261-855-18
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CURRENT FILING DATE: 1999-03-03
NUMBER OF SEQ ID NOS: 46
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 18
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GENERAL INFORMATION:
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APPLICANT: ROSS, Jeffrey
APPLICANT: ROSS, Jeffrey
TITLE OF INVENTION: THE C-MYC CODING REGION DETERMINANT-BINDING PROTEIN
TITLE OF INVENTION: (CRD-BP) AND ITS NUCLEIC ACID SEQUENCE
FILE REFERENCE: 960296.95131
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SEQ ID NO 21
LENGTH: 47
TYPE: PRT
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Best Local 9
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Best Local :
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                                                                     Matches
                                                                                                                                                                                                                                                                                                     APPLICANT: ROSS, Jeffrey
TITLE OF INVENTION: THE C-MYC CODING
TITLE OF INVENTION: (CRD-BP) AND ITS
FILE REFERENCE: 960296,95131
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CURRENT FILING DATE: 1999-03-03
NUMBER OF SEQ ID NOS: 46
                                                                                                                                                                                            LENGTH: 49
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                                 281 ILAHNNFYGRLIGKEGRNLKK 301
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                                                                    Match 3.6%; Score 21;
Local Similarity 100.0%; Pred. No.
Les 21; Conservative 0; Mismatc
1 ILAHNNFVGRLIGKEGRNLKK 21
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100.0%;
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; Pred. No. 2.9e-27;
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                                                                       Mismatches
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                                                                                       DB 4; L
2.3e-13;
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RESULT 10 US-09-261-855-20

Sequence 20, Applica Patent No. 6255055 GENERAL INFORMATION:

Application US/09261855A

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Sequence 4, Application US/09261855A
Patent No. 6255055
GENERAL INFORMATION: THE CAMPIECT ACID SEQUENCE
TITLE OF INVENTION: THE CAMPIECT ACID SEQUENCE
TITLE OF INVENTION: THE CAMPIECT ACID SEQUENCE
FILE REFERENCE: 960296, 95131
CURRENT APPLICATION NUMBER: US/09/261,855A
CURRENT FILING DATE: 1999-03-03
NUMBER OF SEQ ID NOS: 46
SOPTMARE: Patentin Ver. 2.0
SEQ ID NO 4
TENGTH: 14
TYPE: PRT
ORGANISM: Homo sapiens
                                                Sequence 11, Application US/09261855A
Patent No. 6255055
GENERAL INFORMATION:
APPLICANT: ROSS, Jeffrey
TITLE OF INVENTION: THE C-MYC CODING REGION I
TITLE OF INVENTION: (CBD-BP) AND ITS NUCLEIC
FILE REFERENCE: 960296 95131
CURRENT APPLICATION NUMBER: US/09/261,855A
CURRENT ETLING DATE: 1999-03-03
NUMBER OF SEQ ID NOS: 46
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US-09-261-855-11
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US-09-261-855-4
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; ORGANISM: Mus musculus
US-09-261-855-20
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TITLE OF INVENTION: THE C-MYC CODING REGION DETERMINANT-BINDING PROTEIN
TITLE OF INVENTION: (CRD-BB) AND ITS NUCLEIC ACID SEQUENCE
FILE REFERENCE: 960296, 95131
CURRENT APPLICATION NUMBER: US/09/261,855A
[CURRENT FILING DATE: 1999-03-03
RUMBER OF SEQ ID NOS: 46
SEQ ID NO 20
SEQ ID NO 20
LENGTH: 48
TYPE: Desm
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 11
LENGTH: 11
                                                                                                                                                                                                                                                                                                                                                                                   Query Match 2.4%;
Best Local Similarity 100.0%;
Matches 14; Conservative
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Best Local Similarity 100.0%;
Matches 19; Conservative
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Pred. No. 6.3e-07
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; Pred. No.
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                                                                                                                            REGION DETERMINANT-BINDING PROTEIN NUCLEIC ACID SEQUENCE
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RESULT 13
US-09-261-855-14
Sequence 14, Application US/09261855A
Sequence 14, Application US/09261855A
Patent NO. 6255055
GENERAL INFORMATION: THE C-MYC CODING REGION DETERMINANT-BINDING PROTEIN
TITLE OF INVENTION: (CRD-BP) AND ITS NUCLEIC ACID SEQUENCE
FILE REFERENCE: 960296.95131
CUBRENT APPLICATION NUMBER: US/09/261,855A
CUBRENT FILING DATE: 1999-03-03
NUMBER OF SEQ ID NOS: 46
SOFTWARE: PATENCE: PRT
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RESULT 15
US-09-261-855-10
; Sequence 10, Application US/09261855A
; Patent No. 6255055
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; ORGANISM: Homo sapiens
US-09-261-855-11
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SEQ ID NO 19
LENGTH: 47
TYPE: PRT
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Patent No. 6255055
GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 11; Conservative
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TITLE OF INVENTION: THE C-MYC CODING REGION DETERMINANT-BINDING PROTEIN
TITLE OF INVENTION: (CRD-BP) AND ITS NUCLEIC ACID SEQUENCE
FILE REFERENCE: 960296.95131
FILE REFERENCE: 960296.95131
CURRENT FILLING DATE: 1999-03-03
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1 HLQWEVLDSLL 11
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100.0%; Pred. No. 0.0018;
vative 0; Mismatches 0
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GENERAL INFORMATION:
APPLICANT: ROSS, Jeffrey
INTILE OF INVENTION: (CRD-BP) AND ITS NUCLEIC ACID SEQUENCE
FILE OF INVENTION: (CRD-BP) AND ITS NUCLEIC ACID SEQUENCE
FILE REFERENCE: 960296.95131
CURRENT APPLICATION NUMBER: US/09/261,855A
CURRENT FILING DATE: 1999-03-03
NUMBER OF SEQ ID NO 10
SEQ ID NO 10
SEQ ID NO 10
SEQ ID NO 10
LENGTH: 11
TYPE: PRT
ORGANISM: Mus musculus
US-09-261-855-10
Query Match
Best Local Similarity 100.0%; Pred. No. 0.45;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Matches 8; Conservative 0; Mismatches 0; Gaps 0;

Oy 94 WEVLDSLL 101
Db 4 WEVLDSLL 11
Search completed: April 16, 2003, 16:38:10
Job time: 42.8818 secs
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Title: Perfect score: Sequence:

Scoring table:

OM protein

Word size

DB

Searched:

402, 403, 404, 405,

409,

18, 397, 398, 399,

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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US-09-897-778-176
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US-09-897-778-446
US-09-897-778-446
US-09-897-778-449
US-09-897-778-427
US-09-897-778-427
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Sequence 176, App
Sequence 176, App
Sequence 348, App
Sequence 348, App
Sequence 348, App
Sequence 446, App
Sequence 427, App
Sequence 427, App
Sequence 427, App
Sequence 24, Appl
Sequence 25, Appl
Sequence 27, Appl
Sequence 21, Appl
Sequence 21, Appl
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CURRENT FILING DATE: 2000-12-12
NUMBER OF SEQ ID NOS: 419
SOFTWARE: FastSEQ for Windows Version 3.0
ELEGTH: 579
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                               Query Match
Best Local Similarity 100
Matches 579; Conservative
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                                                                                                                                                                                                                                                 APPLICANT: Fanger, Neil
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C14
             61 IELHGKPIEVEHSVPKRQRIRKLQIRNIPPHLQWEVLDSLLVQYGVVESCEQVNTDSETA
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                                                       INFORMATION
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US20020052329A1
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Bangur, Chaitanya;
Hosken, Nancy
Fanger, Gary R.
Li, Samuel X.
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Henderson, Robert A.
McNeill, Patricia D.
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Fan, Liqun
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US-09-850-716A-399
US-09-850-716A-399
US-09-850-716A-399
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Pred. No. 0;
9; Mismatches
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Result

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RESULT 2

US-09-850-716A-176

Sequence 176, Application US/09850716A

Patent No. US20020115139A1

GENERAL INFORMATION:
APPLICANT: Kalos, Michael D.
APPLICANT: McMeill, Patticla D.
APPLICANT: McMeill, Name McMedillor For THERAPY

TITLE OF INVENTION: COMPOSITIONS AND McTHODS FOR THE THERAPY

TITLE OF INVENTION NUMBER: US/09/850,716A

CURRENT FILING DATE: 2001-05-07

NUMBER OF SEQ ID NOS: 440

SECTWARE: FastSEQ for Windows Version 3.0

LENGTH: 579

TYPE: PRT
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             VNNTYSSKODARGALDKLNGFOLENFTLKVAYIPDEMAAQOUPLOPRGRRGLGORGSS
                                                                                                VVNVTYSSKDQARQALDKLNGFQLENFTLKVAYIPDEMAAQQNPLQQPRGRRGLGQRGSS 180
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                                                                         VVNVTYSSKDQARQALDKLNGFQLENFTLKVAYIPDEMAAQQNPLQQPRGRRGLGQRGSS
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Sequence 176, Application US/09897778

| Patent No. US20020147143A1
| GENERAL INFORMATION:
| APPLICANT: Wang, Tongtong | APPLICANT: Wang, Tongtong | APPLICANT: Wang, Tongtong | APPLICANT: Watherakis, Margarita | APPLICANT: Watherakis, Margarita | APPLICANT: Watherakis, Margarita | APPLICANT: Watherakis, Mobert A. APPLICANT: Watherakis, Yoshihiro | APPLICANT: Henderson, Robert A. APPLICANT: Henderson, Robert A. APPLICANT: Fenger, Neil | APPLICANT: Fenger, Neil | TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY | TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER | FILE REFERENCE: 210121.455C.16 | CURRENT APPLICATION NUMBER: US/09/897,778 | CURRENT APPLICATION NUMBER: US/09/897,778 | NUMBER OF SEQ. ID NOS: 467 | SOFTWARE: FastSEQ for Windows Version 4.0 | SEQ ID NO 176 | LENGTH: 579E: PRT | CORPOSITIONS | CORPOS
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US-09-897-778-176
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Best Local S
Matches 579
181 ROGSPGSVSKOKPCDLPLRLLVPTOPVGALTICKEGATITRALTKOTOSKIDVHRKENAGAA 240
181 ROGSPGSVSKOKPCDLPLRLLVPTOPVGALTICKEGATITRALTKOTOSKIDVHRKENAGAA 240
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481 SPKEEVKLEAHIRVESFAAGRVIGKGGKTVNELQNISSAEVVVPRDQTPDENDQVVVKIT 540
481 SPKEEVKLEAHIRVPSFAAGRVIGKGGKTVNELQNISSAEVVVPRDQTPDENDQVVVKIT 540
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241 EKSTTILSTPEGTSAACKSLLEIMIKEAQDIKFTEEIPLKILAHNNFVGRLIGKEGRNLK
241 EKSTTILSTPEGTSAACKSILEIMIKEAQDIKFTEEIPLKILAHNNFVGRLIGKEGRNLK
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61 IBLHGKPIEVEHSVPKRORIRKLQIRNIPPHLOWEVLDSLLVQYGVVESCEQVNTDSETA 120
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APPLICANT: MCNeill, Patricia D.

APPLICANT: Fanger, Neil

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THE

TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

FILE REFERENCE: 210121.455C14

CURRENT APPLICATION NUMBER: US/09/735,705

CURRENT FILING DATE: 2000-12-12

NUMBER OF SEQ ID NOS: 419

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 348

LENGTH: 579
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                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Homo sapiens
-09-735-705-348
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Hosken, Nancy
Fanger, Gary R.
Li, Samuel X.
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Skeiky, Yas
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Fan, Liqun
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APPLICANT: McNeill, Patricia D.
APPLICANT: Mctter, Marc W.
APPLICANT: Retter, Marc W.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER FILE REFERENCE: 20121, 45C15
CURRENT APPLICATION NUMBER: US/09/850,716A
CURRENT FILING DATE: 2001-05-07
NUMBER OF SEQ ID NOS: 440
SOFTWARE: FASSEQ for Windows Version 3.0
SEQ ID NO 348
LENGTH: 579
TYPEN: DEPT
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Best Local Similarity
Matches 577; Conserv
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                        EKSITILSTPEGTSAACKSILEIMHKEAQDIKFTEEIPLKILAHNNFVGRLIGKEGRNLK
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99.78;
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Pred. No. 0;
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APPLICANT: Marnerakis, Margarita
APPLICANT: Marnerakis, Margarita
APPLICANT: Marnerakis, Margarita
APPLICANT: Fanger, Gary R.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Henderson, Robert A.
APPLICANT: Fenger, Neil
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C16
CURRENT APPLICATION NUMBER: US/09/897.778
CURRENT FILING DATE: 2001-06-28
NUMBER OF SEQ ID NOS: 467
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 348
LENGTH: 579
TYPE: BRT
ORGANISM: Homo Sapiens
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Best Local :
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301 KIEQDTDTKITISPLQELTLYNPERTITVKGNVETCAKAEEEEIMKKIRESYENDIASMNL 360
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NO. US20020147143A1
INFORMATION:
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99.7%;
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Pred. No. 0;
0; Mismatches 2; Indels
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APPLICANT: Wang, Tongtong
APPLICANT: Vedvick, Thomas S.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Henderson, Robert A.
APPLICANT: Henderson, Robert A.
APPLICANT: Fenger, Neil
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C16
CCURRENT APPLICATION NUMBER: US/09/897,778
CURRENT APPLICATION NUMBER: US/09/897,778
CURRENT FILING DATE: 2001-06-28
NUMBER OF SEQ ID NOS: 467
SOPTWARE: FES ID NOS: 467
SEQ ID NO 446
LENGTH: 579
TYPE: PRT
ORGANISM: NOS: SEQ IS NOS: 467
TYPE: PRT
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US-09-897-778-446
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Best Local Similarity 99.7%;
Matches 577; Conservative
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541 GHFYACQVAQRKIQEILTQVKQHQQQKALQSGPPQSRRK 579
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481 SPKEBYKLEAHIRVPSFAAGRVIGKGKTVNELQNLSSAEVVPRDQTPDEBDQVVVKIT
481 SPKEBYKLEAHIRVPSFAAGRVIGKGGKTVNELQNLSSAEVVPRDQTPDEBDQVVVKIT
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121 VVNVTYSSKDQARQALDKLNGFQLENETLKVAYIPDETAAQQNPLQQPRGRRGLGQRGSS
121 VVNVTYSSKDQARQALDKLNGFQLENETLKVAYIPDETAAQQNPLQQPRGRRGLGQRGSS
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Pred. No. 0;
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420

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APPLICANT: Watanabe, Yoshihiro
APPLICANT: Henderson, Robert A.
APPLICANT: Heckham, David W.
APPLICANT: Peckham, David W.
APPLICANT: Fanger, Neil
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C16
CURRENT APPLICATION NUMBER: US/09/897.778
CURRENT APPLICATION NUMBER: US/09/897.778
CURRENT FILING DATE: 2001-06-28
NUMBER OF SEQ ID NOS: 467
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 449
LENGTH: 579
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US-09-897-778-449
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Best Local Similarity
Matches 577; Conserv
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TYPE: PRT
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GHFYACQVAQRKIQEILTQVKQHQQQKALQSGPPQSRRK 579
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                                                              EKSITILSTPEGTSAACKSILEIMHKEAQDIKFTEEIPLKILAHNNFVGRLIGKEGRNLK
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Vedvick, Thomas S.
Carter, Darrick
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GENERAL INFORMATION:

APPLICANT: Kalos, Michael D.

APPLICANT: MCNGill, Patricia D.

APPLICANT: MCNGILL, Patricia D.

APPLICANT: MCNGILL, PATRICIAN AND METHODS FOR THE THERAPY
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C15
CURRENT APPLICATION NUMBER: U5/09/850,716A
CURRENT FILING DATE: 2001-05-07
NUMBER OF SEQ ID NOS: 440
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 427
LENGTH: 586
TYPE: PRT
ORGANISM: Homo sapiens
US-09-850-716A-427
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; Sequence 427, Application US/09850716A

; Patent No. US20020115139Al
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GKQGQHIKQLSRFAGASIKIAPAEAPDAKVRMVIITGPPEAQFKAQGRIYGKIKEENFVS
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576; Conservat
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Pred. No. 0;
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GKQGQHIKQLSRFAGASIKIAPAEAPDAKYRMYIITGPPEAQFKAQGRIYGKIKEENFVS

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RESULT 10

US-09-897-778-427

Sequence 427, Application US/09897778

Patent No. US20020147143A1

GENERAL INCORNATION:

APPLICANT: Wang, Tongtong

APPLICANT: Wang, Tongtong

APPLICANT: Warnerakis, Margarita

APPLICANT: Fanger, Gary R.

APPLICANT: Vedvick, Thomas S.

APPLICANT: Watanabe, Yoshihiro

APPLICANT: Henderson, Robert A.

APPLICANT: Peckham, David W.

APPLICANT: Peckham, David W.

APPLICANT: Fanger, Neil

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

FILE REFERENCE: 210121.455C16

CURRENT APPLICATION NUMBER: US/09/897,778

CURRENT APPLICATION NUMBER: US/09/897,778

CURRENT FILING DATE: 2001-06-28

NUMBER OF SEQ ID NOS: 467

SOFTWARE: FASTSEQ for Windows Version 4.0
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-897-778-427
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Best Local Similarity 99.7
Matches 576; Conservative
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APPLICANT: Rank, David R.
APPLICANT: Rank, David R.
APPLICANT: Hanzk, David R.
APPLICANT: Hanzk, David R.
APPLICANT: Hanzk, David R.
APPLICANT: WITHEN: HOW EXPRESSION ARALYSIS BY MICROARRAY
TITLE DE INVESTURE: 12000-05-23
CURRENT PILLING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 60/180, 312
PRIOR APPLICATION NUMBER: US 60/180, 312
PRIOR APPLICATION NUMBER: US 60/180, 312
PRIOR PILLING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 60/207, 456
PRIOR APPLICATION NUMBER: US 60/207, 456
PRIOR APPLICATION NUMBER: US 60/207, 456
PRIOR PILLING DATE: 2000-05-26
PRIOR PILLING DATE: 2000-05-27
PRIOR PILLING DATE: 2000-05-26
PRIOR PILLING DATE: 2000-05-27
PRIOR PILLING DATE: 2000-05-26
PRIOR PILLING DATE: 2000-05-27
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PILLING DATE: 2000-05-26
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US-09-864-761-48606
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TYPE: PRT
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
FEATURE:
OTHER INFORMATION: EXPR
OTHER INFORMATION: EXPR
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Patent No. US200200
GENERAL INFORMATION
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o. US20020048763A1
                                                             MAP TO ACO21876. 2
EXPRESSED IN BONE WARROW, SIGNAL = 6.5
EXPRESSED IN PLACENTA, SIGNAL = 2.8
SWISSPROT HIT: Q07244, EVALUE 6.10e-01
EST_HUMAN HIT: BE545535.1, EVALUE 2.00e-09
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LENGTH: 48
     Sequence 45987, Application US/09864761 Patent No. US20020048763A1
                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/09/873,637
CURRENT FILING DATE: 2001-06-04
NUMBER OF SEQ ID NOS: 46
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 23
                                                                                                                                                                    Query Match
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                                                                                                                                                                                                                                                                                                                                                                                      Sequence 23, Application UPatent No. US20020061543A1
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Best Local :
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TITLE OF INVENTION: THE C-MYC CODING REGION DETERMINANT-BINDING PROTEIN
TITLE OF INVENTION: (CRD-BP) AND ITS NUCLEIC ACID SEQUENCE
FILE REFERENCE: 960296.95131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: THE C-MYC CODING REGION DETERMINANT-BINDING PROTEIN TITLE OF INVENTION: (CRD-BP) AND ITS NUCLEIC ACID SEQUENCE FILE REFERENCE: 960296.95131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/09/873,637
CURRENT FILING DATE: 2001-06-04
NUMBER OF SEQ ID NOS: 46
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TYPE: PRT
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TYPE: PRT
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Pred. No.
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5.2e-82;
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RESULT 15
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; Sequence 22, Application US/09873637
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US-09-864-761-45987
                                                                                  Matches
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CURRENT FILING DATE: 2001-05-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC TITLE OF INVENTION: GENE, EXPRESSION ANALYSIS BY MICROARRAY FILE REFERENCE: Aeomica-X-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-29
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PRIOR APPLICATION NUMBER: US 09/608,408
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PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
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                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 49117
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                                                                                                                                                                                                                                                                                                                           TYPE: PRT Homo sapiens
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OTHER INFORMATION:
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APPLICATION NUMBER: PCT/US01/00668 FILING DATE: 2001-01-30
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Hanzel, David K.
                                                                                  Conservative
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EXPRESSED IN PLACENTA, SIGNAL = 1.5
EXPRESSED IN BRAIN, SIGNAL = 1.5
SALSSPROT HIT: P78004, EVALUE 2.80e+00
EST_HUMAN HIT: AA427803.1, EVALUE 9.00e-19
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Page 8

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; Patent No. US20020061543A1
; GENERAL INFORMATION:
APPLICANT: ROSS, Jeffrey
TITLE OF INVENTION: THE C-MYC CODING REGION DETERMINANT-BINDING PROTEIN
TITLE OF INVENTION: (CRD-BP) AND ITS NUCLEIC ACID SEQUENCE
FILE REFERENCE: 960296,95131
CURRENT APPLICATION NUMBER: US/09/873,637
; CURRENT APPLICATION NUMBER: US/09/873,637
; CURRENT FILING DATE: 2001-06-04
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 22
; LENGTH: 49
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-873-637-22
Search completed: April 16, 2003, 16:48:41 Job time: 67.5517 secs
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                                                                                                                                                                                       Query Match 7.3%; Score 42; DB 10; Length 49; Best Local Similarity 100.0%; Pred. No. 4.7e-33; Matches 42; Conservative 0; Mismatches 0; Indels
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Maximum DB seq length: 2000000000
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score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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      PCT-US01-47576-176

B US-09-466-396A-176

B US-09-476-496A-176

B US-09-480-884A-176

US-09-510-376A-176

9 US-09-542-615A-176
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  Sequence 176, App
                                                                                                                                          Description
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PCT-US01-47576-176
; Sequence 176, Application PC/TUS0147576
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL' INFORMATION:
APPLICANT: Cai, Feng
APPLICANT: Foy, Teresa M.
APPLICANT: Foy, Teresa M.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.45503PC
CURRENT FILLING DATE: 2001-11-30
NUMBER OF SEQ ID NOS: 469
SOFTWARE: FastSEQ for Windows Version 4.0
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APPLICANT:
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APPLICANT:
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APPLICANT: Wang, Tongtong
APPLICANT: Wang, Aijun
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Fanger, Gary R.
Vedvick, Thomas S.
Carter, Darrick
Watanabe, Yoshihiro
Peckman, David W.
                                                                                                                                                                                                                                                                                                                  Fanger, Neil
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McNeill, Patricia D.
                                                                                                                                                                                                                                                                                                  Retter,
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ALIGNMENTS

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RESULT 2
US-09-466-396A-176
Sequence 176, Application US/09466396A
Sequence 176, Application US/09466396A
GENERAL INFORMATION:
APPLICANT: Wang, Tongtong
APPLICANT: WANG, TONGTONG
TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.45564
CURRENT APPLICATION NUMBER: US/09/466,396A
CURRENT APPLICATION NUMBER: US/09/466,396A
CURRENT FILING DATE: 1999-12-17
NUMBER OF SEQ ID NOS: 224
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 176
LENGTH: 579
TYPE: PRT
                                                    ) ORGANISM: Homo sapiens
US-09-466-396A-176
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LENGTH: 579
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US01-47576-176
            Query Match
Best Local Similarity
Matches 579; Conser
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QAHLIPGLNLNALGLEPPTSGMPPPTSGPPSAMTPPYPQFEQSESTETTVHQFIPALSVQAI 420
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         100.0%; Score 579; Ilarity 100.0%; Pred. No. 0; Conservative 0; Mismatches
                                DB 18;
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RESULT 3
US-09-476-496A-176
Sequence 176, Application US/09476496A
GENERAL INFORMATION:
APPLICANT: Wang, Tongtong
APPLICANT: Hosken, Nancy A.
APPLICANT: KALOS, Michael D.
APPLICANT: Fanger, Gary R.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY OF
TITLE OF INVENTION: LUNG CANCER
FILE REFERENCE: 210121.455C5
CURRENT APPLICATION NUMBER: US/09/476,496A
CURRENT APPLICATION UNDRER: US/09/476,496A
CURRENT FILING DATE: 1999-12-30
UNMBER OF SEQ ID NOS: 254
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 176
SEQ ID NO 176
SED ID NO 176
SED ID NO 176
LENGTH: 579
                                                                                                                                                                                                                                                                                                                ; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-476-496A-176
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Query Match
Best Local Similarity 100.0%; Score 579; E
Best Local Similarity 100.0%; Pred. No. 0;
Matches 579; Conservative 0; Mismatches
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541 GHEYACQVAORKIQEILTQVKQHQQQKALQSGPPQSRRK 579
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1 MNKLYIGNLSENAAPSDLESIFKDAKIPVSGPFLVKTGYAFVDCPDESWALKAIEALSGK 60
                                                                                                         MNKLYIGNLSENAAPSDLESIFKDAKIPVSGPFLVKTGYAFVDCPDESWALKAIEALSGK 60
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APPLICANT: Wang, Tongtong
APPLICANT: Wang, Tongtong
APPLICANT: Hosken, Nancy A.
APPLICANT: Hosken, Nancy A.
APPLICANT: Kalos, Michael D.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
ITITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
ITITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C6
CURRENT APPLICATION NUMBER: US/09/480,884A
CURRENT FILING DATE: 2001-08-27
NUMBER OF SEQ ID NOS: 330
SOFTWARE: FastSEQ for Windows Version 3.0
SOFTWARE: FastSEQ for Windows Version 3.0
LENGTH: 579
TYPE: PRT
ORGANISM: Homo sapiens
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 RQGSPGSVSKQKPCDLPLRLLVPTQFVGAIIGKEGATIRNITKQTQSKIDVHRKENAGAA
                            VVNVTYSSKDQARQALDKLNGFQLENFTLKVAYIPDEMAAQQNPLQQFRGRRGLGQRGSS
                                           VVNVTYSSKDQARQALDKLNGFQLENFTLKVAYIPDEMAAQQNPLQQPRGRRGLGQRGSS
                                                                                 IELHGKPIEVEHSVPKRQRIRKLQIRNIPPHLQWEVLDSLLVQYGVVESCEQVNTDSETA 120
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CURRENT APPLICATION NUMBER: US/09/510,37
CURRENT FILING DATE: 2001-08-21
NUMBER OF SEQ ID NOS: 330
SOFTWARE: FastSEQ for Windows Version 3.
SEQ ID NO 176
LENGTH: 579
TYPE: PRT
ORGANISM: Homo sapiens
US-09-510-376A-176
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APPLICANT: Hosken, Nancy A.
APPLICANT: Hosken, Nancy A.
APPLICANT: Kalos, Michael D.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C7
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EKSITILSTPEGTSAACKSILEIMHKEAQDIKFTEEIPLKILAHNNFVGRLIGKEGRNLK
           EKSITILSTPEGTSAACKSILEIMHKEAQDIKFTBEIPLKILAHNNFVGRLIGKEGRNLK
                                                         VVNVTYSSKDQARQALDKLNGFQLENFTLKVAYIPDEMAAQQNPLQQPRGRRGLGQRGSS
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Pred. No. 0;
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APPLICANT: Mang, Tingutong
APPLICANT: Fan, Liqun
APPLICANT: Fan, Liqun
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Hosken, Mancy A.
APPLICANT: Hosken, Compounds AND METHODS FOR TITLE OF INVENTION: COMPOUNDS AND METHODS FOR TITLE OF INVENTION: AND DATES. AND DATES. AND DATES. AND DATES. 2000-04-14
CURRENT FILING DATE: 2000-04-14
NUMBER OF SEQ ID NOS: 350
SOFTWARE: FastSEQ for Windows Version 3.0
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; ORGANISM: Homo sapiens
US-09-542-615A-176
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US-09-542-615A-176
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SEQ ID NO 176
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Query Match
100.0%; Score 579; Fed. No. 0;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 579; Conservative 0; Mismatches
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                       VVNVTYSSKDQARQALDKLNGFQLENFTLKVAYIPDEMAAQQNPLQQPRGRRGLGQRGSS 180
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CANCER
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APPLICANT: Skeiky, Yasir A.W.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER FILE REFERENCE: 210121.455C9

CURRENT APPLICATION NUMBER: US/09/606,421A

CURRENT FILING DATE: 2000-06-28

NUMBER OF SEQ ID NOS: 354

NUMBER OF SEQ ID NOS: 354

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO. 116

SEQ ID NO. 176

LENGTH: 579

TYPE: PRT
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US-09-606-421A-176
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APPLICANT: Fan, Liqun
APPLICANT: Kalos, Michae
APPLICANT: Hangur, Chait
APPLICANT: Hosker, Nangur
APPLICANT: Hosker, Nangur
APPLICANT: Li, Samuel X.
APPLICANT: Mang, Aijun
APPLICANT: Wang, Aijun
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; ORGANISM: Homo sapiens
US-09-606-421A-176
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Best Local Similarity 100.0%; Pred. No. 0;
Matches 579; Conservative 0; Mismatches
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Fan, Liqun
Kalos, Michael D.
Bangur, Chaitanya S.
Hosken, Nancy
Fanger, Gary R.
Li, Samuel X.
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APPLICANT: Wang, Aijun

APPLICANT: Skeiky, Yasir A.W.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

FILE REFERENCE: 210121.455C9

CURRENT APPLICATION NUMBER: US/09/606,421B

CURRENT FILING DATE: 2000-06-28

NUMBER OF SEQ ID NOS: 358

SOFTWARE: FastSEQ for Windows Version 3:0

SEQ ID NO 176

LENGTH: 579
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US-09-606-421B-176
; Sequence 176, Application US/09606421B
; GENERAL INFORMATION:
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KIEQDTDTKITISPLQELTLYNPERTITVKGNVETCAKAEEEIMKKIRESYENDIASMNL
                                                                                                                EKSITILSTPEGTSAACKSILEIMHKEAQDIKFTEEIPLKILAHNNFVGRLIGKEGRNLK
                                                                                                                                                VVNVTYSSKDQARQALDKLNGFQLENFTLKVAYIPDEMAAQQNPLQQPRGRRGLGQRGSS
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                                                   KIEQDTDTKITISPLQELTLYNPERTITVKGNVETCAKAEEEIMKKIRESYENDIASMNL
                                                                                                    EKSITILSTPEGTSAACKSILEIMHKEAQDIKFTEEIPLKILAHNNFVGRLIGKEGRNLK
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CURRENT APPLICATION NUMBER: US/09/630,940A
CURRENT FILING DATE: 2000-08-02
NUMBER OF SEQ ID NOS: 367
SOFTWARE: PastSEQ for Windows Version 3.0
SEQ ID NO 176
LENGTH: 579
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APPLICANT:
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Best Local S
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APPLICANT: McNeill, Patricia D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
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ORGANISM: Homo
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                                                                  KIEQDTDTKITISPLQELTLYNPERTITVKGNVETCAKAEEEIMKKIRESYENDIASMNL
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QAHLIPGLNLNALGLEPPTSGMPPPTSGPPSAMTPPYPQFEQSETETVHQFIPALSVGAI
             QAHLIPGLNINALGLEPPTSGMPPPTSGPPSAMTPPYPQFEQSETETVHQFIPALSVGAI 420
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579; Conserv
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Wang, Aijun
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Fanger, Gary
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Sequence 1/6, Application University
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Wang, Tongtong
APPLICANT: Kalos, Michael D.
APPLICANT: Kalos, Michael D.
APPLICANT: Kalos, Michael D.
APPLICANT: Hosken, Nancy
APPLICANT: Hosken, Nancy
APPLICANT: Hosken, Nancy
APPLICANT: Wang, Aljun
APPLICANT: Wang, Aljun
APPLICANT: Menil X.
APPLICANT: Menil X.
APPLICANT: Menil X.
APPLICANT: MCNeill, Patricia D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: COMPOSITIONS OF LUNG CANCER
FILE REFERENCE: 210121, 455C10
CURRENT FILING DATE: 2000-08-02
NUMBER OF SEQ ID NOS: 367
SOUTWARE: FastSEQ for Windows Version 3.0
IENGTH: 579
TYEE: PRT
ORGANISM: Homo sapiens
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US-09-630-940B-176
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            QAHLIPGLNLNALGLFPPTSGMPPPTSGPPSAMTPPYPQFEQSETETVHQFIPALSVGAI
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                                            KIEQDTDTKITISPLQELTLYNPERTITVKGNVETCAKAEEEIMKKIRESYENDIASMNL
                                                                                          EKSITILSTPEGTSAACKSILEIMHKEAQDIKFTEEIPLKILAHNNFVGRLIGKEGRNLK 300
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579; Conservative
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FILE REFERENCE: 210111.455C12
CURRENT APPLICATION NUMBER: US/09/662,786
CURRENT FILING DATE: 2000-09-15
NUMBER OF SEQ ID NOS: 381
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 176
LENGTH: 579
TYPE: PRT
ORGANISM: Homo sapiens
US-09-662-786-176
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APPLICANT: Hosken, Nancy
APPLICANT: Fanger, Gary R.
APPLICANT: Li, Samuel X.
APPLICANT: Li, Samuel X.
APPLICANT: Wang, Aijun
APPLICANT: Skeiky Yasir A.W.
APPLICANT: Henderson, Robert A.
APPLICANT: Henderson, Robert A.
APPLICANT: McNeill, Patricia B.
APPLICANT: MCNeill, Patricia B.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455012
361 QAHLIPGLNLNALGLEPPTSGMPPPTSGPPSAMTPPYPQFEQSETETVHQFIPALSVGAI
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Fan, Liqun
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APPLICANT: Wang, Aijun

APPLICANT: Henderson, Robert A.

APPLICANT: Henderson, Robert A.

APPLICANT: MCNeill, Patticia D.

TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

FILE REFERENCE: 210121.455C13

CURRENT APPLICATION UMBER: US/09/685,696

CURRENT FILING DATE: 2000-10-09

NUMBER OF SEO ID NOS: 381

SOFTWARE: FastSEQ for Window-
SEO ID NO 176

LENGTH: 579

TYPE: PP"
                                                                                                                                                                                                                                                                                                                                                                                                            ; ORGANISM: Homo sapiens
US-09-685-696-176
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GENERAL 1
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GENERAL INFORMATION
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CURRENT APPLICATION NUMBER: US/09/735,705

CURRENT FILING DATE: 2000-12-12

NUMBER OF SEQ ID NOS: 419

SOFTWARE: FastSEQ for Windows Version 3.0
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                                                                                               KIEQDTDTKITISPLQELTLYNPERTITVKGNVETCAKAEEEIMKKIRESYENDIASMNL 360
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McNeill, Patricia D.
Fanger, Neil
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Skeiky, Yasir A.W.
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Fanger, Gary R.
Li, Samuel X.
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Kalos, Michael D.
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APPLICANT: BIOGOMIX, Inc.
APPLICANT: Debe, Derek
APPLICANT: DEBEA, JOSEPH
TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBE
TITLE OF INVENTION: MCTHODS OF USE THEREOF
FILE REFERENCE: 261/210
CUBRENT APPLICATION NUMBER: US/09/791,537
CUBRENT FILING DATE: 2001-02-22
NUMBER OF SEQ ID NOS: 153055
SOFTWARE: Patentin version 3.0
SEQ ID NO 49019
LENGTH: 579
TYPE: PRT
ORGANISM: Homo sapiens
US-09-791-537-49019
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US-09-791-537-49019
Sequence 49019, App
GENERAL INFORMATION
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APPLICANT: Wang, Tongtong
APPLICANT: Wang, Tongtong
APPLICANT: Kalos, Michael D.
APPLICANT: Hosken, Michael D.
APPLICANT: Hosken, Nancy
APPLICANT: Li, Samuel X.
APPLICANT: Li, Samuel X.
APPLICANT: Kesky, Yasir A.
APPLICANT: Skekky, Yasir A.
APPLICANT: Mang, Aijun
APPLICANT: Menderson, Robert A.
APPLICANT: McNeill, Patricia D.
APPLICANT: Retter, Marc W.
APPLICANT: Retter, Ma
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SPKEEVKLEAHIRVPSFAAGRVIGKGGKTVNELQNLSSAEVVVPRDQTPDENDQVVVKIT 540
                                                                                  IGKQGQHIKQLSRFAGASIKIAPAEAPDAKVRMVIITGPPEAQFKAQGRIYGKIKEENFV
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2: /cgn2_6/ptodata/1/paa/US06_NEW_COMB.pep:*

3: /cgn2_6/ptodata/1/paa/US08_NEW_COMB.pep:*

4: /cgn2_6/ptodata/1/paa/US08_NEW_COMB.pep:*

5: /cgn2_6/ptodata/1/paa/US08_NEW_COMB.pep:*

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Segneral Information:
APPLICANT: Foy, Teresa M.
APPLICANT: McNabb, Andria
APPLICANT: McNabb, Andria
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Wang, Tongtong
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121, 455C19
CURRENT APPLICATION NUMBER: US/10/313,986
CURRENT FILING DATE: 2002-12-04
NUMBER OF SEQ ID NOS: 560
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 176
LENGTH: 579
TYPE: DET
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Matches 579; Conserv
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Sequence 255, Application US/10348119

GENERAL INFORMATION:
APPLICANT: Bristol-Myers Squibb Company
TITLE OF INVENTION: IDENTIFICATION OF POLYNUCLECTIDES AND POLYPEPTIDE FOR PREDICTING
TITLE OF INVENTION: ACTIVITY OF COMPOUNDS THAT INTERACT WITH PROTEIN TYROSINE KINASE
TITLE OF INVENTION: ACTIVITY OF COMPOUNDS THAT INTERACT WITH PROTEIN TYROSINE KINASE
TITLE OF INVENTION: AND/OR PROTEIN TYROSINE KINASE PATHWAYS
TILE OF INVENTION UNMBER: US/10/348.119
CURRENT APPLICATION NUMBER: US/10/348.119
CURRENT FILING DATE: 2003-01-17
PRIOR APPLICATION NUMBER: US/60/350,061
PRIOR APPLICATION NUMBER: US/60/350,061
PRIOR PRIOR APPLICATION NUMBER: US/60/350,061
PRIOR SILING DATE: 2002-01-18
SOFTWARE: Patentin version 3.2
SEG ID NO 255
LENGTH: 579
TYPE: PRT
ORGANISM: Homo sapiens
US-10-348-119-255
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GENERAL INFORMATION:
APPLICANT: Compugen LTD
TITLE OF INVENTION: Variants of alternative splicing
FILE REFERENCE: 129181.4 Compugen
CURRENT APPLICATION NUMBER: US/09/724,676
CURRENT FILING DATE: 2000-11-28
NUMBER OF SED ID NOS: 97222
SOFTWARE: Patentin version 3.2
SEQ ID NO 92918
LENGTH: 558
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              Sequence 92916, Application US/09724676
GENERAL INFORMATION:
APPLICANT: Compugen LTD
TITLE OF INVENTION: Variants of alternative
FILE REFERENCE: 129181.4 Compugen
CURRENT APPLICATION NUMBER: US/09/724,676
CURRENT FILING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 97222
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TITLE OF INVENTION: Variants of alternative splicing
FILE REFERENCE: 129181.4 Compugen
CURRENT APPLICATION NUMBER: US/09/724,676A
CURRENT FILING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 97222
SOFTWARE: Patentir version 3.2
SEQ ID NO 92918
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SOFTWARE: PatentIn version 3.2
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APPLICANT: Compugen LTD
FITTLE OF INVENTION: Variants of alternative sp
FILE REFERENCE: 129.181.4 Compugen
CURRENT APPLICATION NUMBER: US/09/724,676A
CURRENT FILING DATE: 2000-11-28
NUMBER OF SEO ID NOS: 97222
SOFTWARE: PatentIn version 3.2
SEQ ID NO 92916
LENGTH: 492
TYPE: PRT
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Best Local Similarity
Matches 467; Conserv
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VVNVTYSSKDQARQALDKLNGFQLENFTLKVAYIPDEMAAQQNPLQQPRGRRGLGQRGSS
                              IELHGKPIEVEHSVPKRQRIRKLQIRNIPPHLQWEVLDSLLVQYGVVESCEQVNTDSETA
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RESULT 7

US-10-313-986-484

Sequence 484, Application US/10313986

Sequence 484, Application Sequence 484, Applicant Sequence 484, Yoshihiro Applicant Sequence 484, Yoshihiro Applicant Sequence 484, Applicant Sequence 484
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Qy 541 GHFYACQVAQRKIQEILTQVKQHQQQKALQSGPPQSRRK 579	Qy 481 SPKEEVKLEAHIRVPSFAAGRVIGKGGKTVNELQNLSSAEVVVPRDQTPDENDQVVVKIT 540	Qy 421 IGKQGQHIKQLSRFAQASIKIAPAEAPDAKVRMVIITGPPEAQFKAQGRIYGKIKEENEV 480 	Qy 361 QAHLIPGLNLNALGLEPPTSGMPDPTSGPPSAMTPPYPQFEQSETETVHQFIPALSVGAI 420	Qy 301 KIEQDTDTKITISPLQELTLYNPERTITVKGNVETCAKAEEEIMKKIRESYENDIASMNL 360 	Qy 241 EKSITILSTPEGTSAACKSILEIMHKEAQDIKETEEIPLKILAHNNFVGRLIGKEGRNLK 300	Qy 181 RQGSPGSVSKQKPCDLPLRLLVPTQFVGAIIGKBGATIRNITKQTQSKIDVHRKENAGAA 240 	Qy 121 VVNVTYSSKDQARQALDKLNGFQLENFTLKVAYIPDEMAAQQNPLQOPRGRRGLGQRGSS 180	Qy 61 IELHGKPIEVEHSVPKRQRIRKLQIRNIPPHLQWEVLDSLLVQYGVVESCEQVNTDSETA 120	Qy 1 MNKLYIGNLSENAAPSDLESIFKDAKIPVSGPFLVKTGYAFVDCPDESWALKAIEALSGK 60 	Query Match 65.1%; Score 377; DB 6; Length 579; Best Local Similarity 99.7%; Pred. No. 0; Matches 577; Conservative 0; Mismatches 2; Indels 0; Gaps	SULTAR THEODRAP COCOL	372 ALGLEPPTSGMPPPTSGPPSAMTPPYPOPEQSETETVH

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APPLICANT: MCNADD, Andria
APPLICANT: MCNADD, Andria
APPLICANT: MCNADD, Andria
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Watanabe, Tongtong
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C19
CURRENT APPLICATION NUMBER: US/10/313,986
CURRENT FILING DATE: 2002-12-04
NUMBER OF SEQ ID NOS: 560
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 446
LENGTH: 579
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US-10-313-986-446
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Best Local Similarity
Matches 577; Conserv
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Sequence 449, Application US/10313986
GENERAL INFORMATION:
APPLICANT: FOY, Teresa M.
APPLICANT: MCNabb, Andria
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                                                                                                                           GHFYACQVAQRKIQEILTQVKQHQQQKALQSGPPQSRRK 579
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Pred. No. 0;
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APPLICANT: Watanabe, YOSHILLIAN
APPLICANT: Reed, Steven G.
APPLICANT: Reed, Steven G.
APPLICANT: Wang, Tongtong
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C19
CURRENT APPLICATION NUMBER: US/10/313,986
CURRENT FILING DATE: 2002-12-04
NUMBER OF SEQ ID NOS: 560
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 449
LENCTH: 579
TYPE: PRT
ORGANISM: Homo sapiens
US-10-313-986-449
65.1%; Score 377; DB 6; Length 579;
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US-10-313-986-480
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Best Local Similarity 99.7%;
Matches 577; Conservative
                                                                                                   APPLICANT: Foy, Teresa M.
APPLICANT: McNabb, Andria
APPLICANT: Watanabe, Yosh
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Reed, Steven G.
APPLICANT: Wang, Tongtong
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C19
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APPLICANT: FOY, Teresa M.

APPLICANT: McNabb, Andria
APPLICANT: McNabb, Yoshihiro
APPLICANT: Wang, Tongtong
APPLICANT: Wang, Tongtong
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
CURRENT APPLICATION NUMBER: US/10/313,986
CURRENT FILING DATE: 2002-12-04
NUMBER OF SEQ ID MOS: 560
SOFTMARE: FastSEQ for Windows Version 4.0
SEQ ID NO 486
LENGTH: 589
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US-10-313-986-486
; Sequence 486, Application US/10313986
; SEQUERAL INFORMATION:
; GENERAL INFORMATION:
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CURRENT FILING DATE: 2002-12-04
NUMBER OF SEQ ID NOS: 560
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 480
LENCTH: 579
TYPE: PRT
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99.7%;
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US-10-313-986-427
Sequence 427, Application US/10313986
GENERAL INFORMATION:
                                                               ; ORGANISM: Homo sapiens US-10-313-986-427
                                                                                             TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C19
CURRENT APPLICATION NUMBER: US/10/313,986
CURRENT FILING DATE: 2002-12-04
NUMBER OF SEQ ID NOS: 560
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 427
LENGTH: 586
TYPE: PRT
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Best'Local Similarity
Matches 577; Conserva
                                                                                                                                                                                                                                                                               APPLICANT: Foy Teresa M.
APPLICANT: MCNADb, Andria
APPLICANT: Watanabe, Yosh
APPLICANT: Reed, Steven G
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               Query Match
Best Local Similarity
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Wang, Tongtong
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99.7%;
                   64.9%;
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US-09-724-676-92917

Sequence 92917, Application US/09724676

GENERAL INFORMATION:

APPLICANT: Compugen LTD

FILE REFERENCE: 129181.4 Compugen

CURRENT APPLICATION NUMBER: US/09/724,676

CURRENT FILING DATE: 2000-11-28

NUMBER OF SEQ ID NOS: 97222

SOFTWARE: PATENTIN VERSION 3.2

SEQ ID NO 92917

LENGTH: 134

TYPE: PRT
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 VVNVTYSSKDQARQ 134
                                             IELHGKPIEVEHSVPKRQRIRKLQIRNIPPHLQWEVLDSLLVQYGVVESCEQVNTDSETA 120
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Search completed: April 16, 2003, 16:47:24 Job time : 121.793 secs
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                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/09/724,676A CURRENT FILING DATE: 2000-11-28 NUMBER OF SEQ ID NOS: 97222 SOFTWARE: PatentIn version 3.2 SEQ ID NO 92917 LENGTH: 134
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 92917, Application US/09724676A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                     Query Match
Best Local
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GenCore version Copyright (c) 1993 - 2003

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AC05812
AC48981
AC4523
AC4898
AC70951
B8279
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B84774
B84774
WAEE1474
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B64764
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                                                                                                                                                                RESULT 2
A38558
C; Species: Mus musculus (house mouse)
C; Species: Mus musculus (house mouse)
C; Species: Mus musculus (house mouse)
C; Accession: A38558
C; Accession: A38558
R; Yan, C; Tamm, I.
Proc. Natl. Acad. Sci. U.S.A. 88, 144-148, 1991
A; Title: Molecular cloning and characterization of interferon alpha/beta response e-large number: A38558, MUID:91095416; PMID:1986360
A; Accession: A38558
A; Status: preliminary
A; Molecula type: mRNA
A; Residues: 1-311 < YAN>
A; Cross-references: GB:M55290; NID:g194096; PIDN:AAA37884.1; PID:g194097
C; Keywords: DNA binding; phosphoprotein; transcription regulation
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C71117
A72646
J7C6113
G70738
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F87687
F87687
F87687
F33429
T133429
T133429
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A:Cross-references: GB.AED06469; PIDN:AAK64002.1; PID:g14523322; GSPDB:GN00165
A:Experimental source: strain 1021, megaplasmid pSymA
R;Galibert, F; Finan, T.M.; Long, S.R.; Puhler, A.; Abola, P.; Ampe, F.; Barloy-Hubler, Pela, D.; Chain, P.; Cowie, A.; Davis, R.W.; Dreano, S.; Federspiel, N.A.; Fisher, R.F.; L; Hyman, R.W.; Jones, T.
L; Hyman, R.W.; Jones, T.
Science 293, 668-672, 2001
A;Authors: Kahn, D.; Kahn, M.L.; Kalman, S.; Keating, D.H.; Kiss, E.; Komp, C.; Lelaure, Rebuthors: Kahn, D.; Kahn, M.L.; Kalman, S.; Keating, D.H.; Wong, K.; Yeh, K.
A;Title: The composite genome of the legume symbiont Sinorhizobium meliloti.
A;Reference number: A96039; MUID:2136823; PMID:11474104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         probable ABC transporter, permease SMa0467 [imported] - Sinorhizobium meliloti C;Species: Sinorhizobium meliloti C;Species: Sinorhizobium meliloti C;Date: 24-Aug-2001 #sequence_revision 24-Aug-2001 #text_change 30-Sep-2001 C;Accession: D95292 |
R;Barnett, M.J.; Fisher, R.F.; Jones, T.; Komp, C.; Abola, A.P.; Barloy-Hubler, R; Kalman, S.; Keatling, D.H.; Palm, C.; Peck, M.C.; Surzycki, R.; Wells, D.H.; Jaroc, Natl. Acad. Sci. U.S.A. 98, 983-988, 2001 |
Proc. Natl. Acad. Sci. U.S.A. 98, 983-988, 2001 |
A;Title: Nucleotide sequence and predicted functions of the entire Sinorhizobium A;Reference number: A95262; MUID:21396509; PMID:11481432 |
A;Status: preliminary |
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R;Parkhill, J; Wren, B.W.; Thomson, N.R.; Titball, R.W.; Holden, M.T.G.; Prentice, Geno-Tarraga, A.M.; Chillingworth, T.; Cronin, A.; Davies, R.M.; Davis, P.; Dougan, Il, M.; Rutherford, K.; Simmonds, M.; Skelton, J.; Stevens, K.; Whitehead, S.; Barre Nature 413, 523-527, 2001
A;Title: Genome sequence of Yersinia pestis, the causative agent of plaque.
A;Reference number: AB0001; MUID:21470413; PMID:11386360
A;Recession: AC0088
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A; Residues: 1-324 < KUR>
A; Cross-references: GB:AL590842; PIDN:CAC89566.1;
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c;Species: Yersinia pestis
c;Accession: AC0088
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A; Residues: 1-338 < KUR>
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es 8; Conser
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Barrell,
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A;Reference number: T43523

A;Cession: T43523

A;Cession: RNA

A;Molecule type: mRNA

A;Reddues: t-997 kMRN-
A;Reddues: 1-997 kMRN-
A;Reddues: 1-997 kMRN-
A;Reddues: 1-997 kMRN-
A;Reddues: T22007

A;Cession: T41649
A;Reference number: Z22007
A;Accession: T41649
A;Scatus: translated from GB/EMBL/DDBJ
A;Scatus: translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-997 kHRN-
A;Cession: T41649
A;Cession: T4100
A;Cession: Duesterhoeft, A.; MCDougell, R.C.; Rajandream, M.A.; Barrell, B.G.
R;Wedler, H.; Duesterhoeft, A.; MCDougell, R.C.; Rajandream, M.A.; Barrell, B.G.
R;Reference number: Z22010
A;Accession: T41700
A;Status: translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 932-997 kMED
A;Cession: S9299 kMED
A;Cession
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     otill protein - fission yeast (Schizosaccharomyces pombe) c;Species: Schizosaccharomyces pombe c;Species: Schizosaccharomyces pombe c;Date: 21-Jan-2000 #sequence_revision 21-Jan-2000 #text_(C;Accession: T43523; T41649; T41700 R;Morishita, J., Matsusaka, T., Yanagida, M. submitted to the EMBL Data Library, August 199 A;Description: Fission yeast cutll is required for chromon A;Reference number: Z22536
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C; Accession: G81457; T02811
C; Myler; P. J.; Audleman, L.; devos, T.; Hixson, G.; Kiser, P.; Lemley, C.; Magness, Proc. Natl. Acad. Sci. U.S.A. 96, 2902-2906, 1999
Proc. Natl. Acad. Sci. U.S.A. 96, 2902-2906, 1999
A; Title: Leishmania major Friedlin chromosome 1 has an unusual distribution of prote A; Reference number: A81455; MUID:99178987; PMID:10077609
A; Accession: G81457
A; Status: preliminary
A; Molecule type: DNA
A; Residues: 1925 (PVI)
A; Residues: 1925 (PVI)
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A; Map position:
A; Introns: 43/3
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A;Experimental source: strain MHOM/IL/61/Friedlin
C;Genetics:
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Matches 8; Conservative
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103 PPPTSGPP 110
                                                                               273 FTEEIPLK 280
                                         342 FTEEIPLK
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Pred. No. 26;
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02-Jun-2000

0; Gaps

0,

0,

Gaps

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A; Molecule type: DNA A; Residues: 1-1101 <COL>
A; Cross-references: GB: ALO21646; GB: ALL23456; NID: g3242278; PIDN: CAA16666.1; A; Experimental source: strain H37Rv C; Genetics: A; Cross-Ry23201c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                submitted to the EMBL Data Library, May 1993
A, Description: Sequence of the C. elegans cosmid ZK1236.
A, Reference number: $44622
A, Accession: $44898
A, Status: preliminary
A, Molecule type: DNA
A, Residues: 1-1000 <FAV>
A, Gross-references: EMBL:L13200; NID:g289748; PID:g289754
C, Genetics:
C, Genetics: 6/3; 86/2; 189/3; 243/2; 669/3; 808/3; 984/3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C;Accession: G70951

R;Cole, S.T.; Brosch, R.; Parkhill, J.; Garnier, T.; Churcher, C.; Harris, D.; Go; Connor, R.; Davies, R.; Devlin, K.; Feltwell, T.; Gentles, S.; Hamlin, N.; Holr Rajandream, M.A.; Rogers, J.; Rutter, S.; Seeger, K.; Skelton, S.; Squares, S. Nature 393, 537-544, 1998

A;Authors: Sqares, R.; Sulston, J.E.; Taylor, K.; Whitehead, S.; Barrell, B.G. A;Title: Deciphering the biology of Mycobacterium tuberculosis from the complete A;Reference number: A70500; MUID:98295987; PMID:9634230

A;Accession: G70951

A;Status: preliminary; nucleic acid sequence not shown; translation not shown A;Molecule type: DNA
A;Title: Genome sequence of the nematode C. elegans: a platform for investigating A;Reference number: A75000; MUID:99069613; PMID:9851916
A;Note: see websites genome.wustl.edu/gsc/C_elegans/ and www_sanger.ac.uk/Projects A;Note: published errata appeared in Science 283, 35, 1999; Science 283, 2103, 199; A;Accession: B88279
                                                                                                               protein C08H9.2 [imported] - Caenorhabditis elegans C;Species: Caenorhabditis elegans C;Date: 10-May-2001 #Sequence_revision 10-May-2001 #C;Accession: B88279 R;anonymous, The C. elegans Sequencing Consortium. Science 282, 2012-2018, 1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       probable ATP-dependent DNA helicase - Mycobacterium tuberculosis (strain H37RV)
C;Species: Mycobacterium tuberculosis
C;Date: 17-Jul-1998 #sequence_revision 17-Jul-1998 #text_change 22-Oct-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZK1236.3 protein - Caenorhabditis elegans C;Species: Caenorhabditis elegans C;Date: 14-Sep-1994 #sequence_revision 12-May-1995 #text_change 23-Mar-2001 C;Accession: S44898 R;Fayello, A.D.
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8; Conser
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100.0%; Pr
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100.0%;
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o. 28;
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. 31;
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                        .ac.uk/Projects/C_elq
283, 2103, 1999; and
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                                                                                         biolog
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A; Molecule type: mRNA
A; Residues: 1-1472 <LUC>
A; Cross-references: GB:X75927; NID:g495258; PIDN:CAA53531.1; PID:g495
C; Superfamily: unassigned ATP-binding cassette proteins; ATP-binding C; Keywords: ATP; nucleotide binding; P-loop
F; 44-234/Domain: ATP-binding cassette homology <ABC1>
F; 64-234/Domain: ATP-binding motif A (P-loop)
F; 1108-1310/Domain: ATP-binding cassette homology <ABC2>
F; 1126-1133/Region: nucleotide-binding motif A (P-loop)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           hypothetical protein COBH9.2 - Caenorhabditis elegans C;Species: Caenorhabditis elegans C;Date: 15-oct-1999 #sequence_revision 15-oct-1999 #to
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A; Introns: 7/1; 97/1;
C; Superfamily: vigilin
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A;Molecule type: DNA
A;Residues: 1-1198 <STO>
                                                                                                                                                                                                                                  R;Luciani, M.F.; Denizot, F.; Savary, S.; Mattei, M.G.; Chimini, G. Genomics 21, 150-159, 1994
A;Title: Cloning of two novel ABC transporters mapping on human chromosome A;Reference number: A54774; MUID:94375008; PMID:8088782
A;Accession: B54774
                                                                                                                                                                                                                                                                                                        C; Accession: B54774
R; Luciani, M.F.; De
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C;Date: 23
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   Best Loc
Matches
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                     Local
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es: Mus musculus (house mouse)
23-Mar-1995 #sequence_revision (
h 1.4%; Score 8;
Similarity 100.0%; Pred. No
8; Conservative 0; Mismat
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8; Conser
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8; Conservative
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00.0%; Pred. No.
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Pred. No. 34;
0; Mismatches
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     Mismatches
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                     No.
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34;
                     DB 2;
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                                       Length 1472;
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A; Gross references: GDB:3770735; OMIM:601615

A; Map position: 16p13.3-16p13.3
C; Superfamily: unassigned ATP-binding cassette proteins: ATP-binding cassette proteins: ATP-binding cassette proteins: ATP-binding; proteins: C; Superfamily: unassigned ATP-binding; predicted <TM1>
F; 255-283/Domain: transmembrane #status predicted <TM2>
F; 345-364/Domain: transmembrane #status predicted <TM3>
F; 345-364/Domain: transmembrane #status predicted <TM5>
F; 401-422/Domain: transmembrane #status predicted <TM5>
F; 401-422/Domain: transmembrane #status predicted <TM5>
F; 452-475/Domain: transmembrane #status predicted <TM5>
F; 452-475/Domain: transmembrane #status predicted <TM7>
F; 456-573/Region: nucleotide-binding motif A (P loop)
F; 685-90/Region: nucleotide-binding motif B (P loop)
F; 1107-Domain: transmembrane #status predicted <TM9>
F; 1107-Domain: transmembrane #status predicted <TM9>
F; 1115-1236/Domain: transmembrane #status predicted <TM10>
F; 1215-1236/Domain: transmembrane #status predicted <TM10>
F; 1245-1264/Domain: transmembrane #status predicted <TM10>
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A59189
ATP-binding cassette transporter - human (fragment)
N;Alternate names: KIRA1062 protein
C;Species: Homo sapiens (man)
C;Date: 18-Feb-2000 #sequence_revision 18-Feb-2000 #text_change 02-Jun-2000
C;Accession: A59189
R;KKluno, R; Nagase, T; Ishikawa, K.; Hirosawa, M.; Miyajima, N.; Tanaka, A.; Kotani, DNA Res. 6, 197-205, 1999
DNA Res. 6, 197-205, 1999
A;Title: Prediction of the coding sequences of unidentified human genes. XIV. The comple A;Reference number: Z2961; MUID:9397452; PMID:10470851
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            probable ATP-binding cassette transporter ABC-3 - human N;Alternate names: ATP-binding cassette transporter ABC-C C;Species: Homo sapiens (man) C;Date: 29-Jan-1998 #sequence_revision 06-Feb-1998 #text_change 02-Feb-2001 C;Accession: S71363
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A;Cross-references:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A; Kcatus: nucleic acid sequence not shown
A; Mclecule type: mRNA
A; Mclecule type: mRNA
A; Residues; 1-1704 < KLU>
A; Cross-references: EMBL: X97187; NID:g1514529; PIDN:CAA65825.1; PID:e243436;
A; Experimental source: cell line medullary thyroid carcinoma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 R;Klugbauer, N.; Hofmann, F.
FEBS Lett. 391, 61-65, 1996
A;Title: Primary structure of a novel ABC transporter with A;Reference number: S71363; MUID:96326608; PMID:8706931
A;Accession: S71363
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A;Experimental source: chromosome 9; clone hj03579; clone lib pBluescriptII 5K plus; ti
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Note: KIAA1062
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| 76 GLFPPTSG
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nes 8; Conser
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100.0%; Pred. No.
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                                         374 GLEPPTSG
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ATP-binding cassette transporter ABC3 - human
C:Species: Homo sapiens (man)
C:Date: 18 Feb-2000 #sequence_revision 18 Feb-2000 #text_change 17 May-2002
C:Accession: A59188
R:Gonnors, T.D.; van Raay, T.J.; Petry, L.R.; Klinger, K.W.; Landes, G.M.; Burn, Genomics 39, 231-234, 1997
A:Title: The cloning of a human ABC gene (ABC3) mapping to chromosome 16p13.3.
A:Reference number: A59188 MUID:97179225; PMID:9027511
A.; Reference number; not compared with conceptual translation
A:Solecule type: mRNA
A:Residues: 1-1704 <CON>
A:CONST-references: GB:U78735; NID:91699037; PIDN:AAC50967.1; PID:g1699038
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 14
A59188
ATP-binding (
                                                                                                                                                                                              A;Molecule type: mRNA
A;Molecule type: mRNA
A;Residues: 1-2201 < LUC>
A;Cross-references: GB:X75926; NID:9495256; PIDN:CAA53530.1; PID:9495257
A;Cross-references: GB:X75926; NID:9495256; PIDN:CAA53530.1; PID:9495257
C;Superfamily: unassigned ATP-binding cassette proteins; ATP-binding cassette homolog; C;Keywords: ATP; duplication; nucleotide binding; P-loop
F;873-880/Region: nucleotide-binding motif A (P-loop)
F;1869-2060/Domain: ATP-binding cassette homology < ABC2>
F;1869-2060/Domain: ATP-binding cassette homology < ABC2>
F;1886-1893/Region: nucleotide-binding motif A (P-loop)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATP binding cassette transporter ABC1 - mouse C; Species: Mus musculus (house mouse) c;Date: 05-Apr.1995 #sequence_revision 05-Apr.1995 #sequence_revision 05-Apr.1995 #change 02-Feb-2001 C;Accession: A54774  
R:Luciani, M.F: Denizot, F:; Savary, S.; Mattei, M.G.; Chimini, G. Genomics 21, 150-159, 1994  
A:Title: Cloning of two novel ABC transporters mapping on human chromosome A:Reference number: A54774; MUID:94375008; PMID:8088782  
A:Accession: A54774
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 15
A54774
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F:1399-1590/Domain: ATP-binding cassette homology <ABC2>
F:1416-1423/Region: nucleotide-binding motif A (P-loop)
F:1535-1540/Region: nucleotide-binding motif B (F-loop)
F:1535-1540/Region: nucleotide-binding motif B (B-loop)
F:1536-1540/Region: nucleotide-binding motif B (B-loop)
F:1534-1540/Region: nucleotide-binding motif B (B-loop)
F:1536-1540/Region: nucleotide-binding motif B (B-loop)
F:1540/Region: nucleotide-binding motif B (B-loop)
F:1540/Regi
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A;Cross-references: GDB:3770735; OMIM:601615
A;Map position: 16p13.3-16p13.3
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100.0%; Pr
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                                                                          Score 8; DB 2
;; Pred. No. 58;
0; Mismatches
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Search completed: April 16, 2003, 16:37:37 Job time: 56.0788 secs

Db 888 GLEPPTSG 895

Run

Title:

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OM protein
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Maximum DB
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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seq length:
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579
1 MNKLYIGNLSENAAPS
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ABCL_HUMAN
ABCL_MOUSE
COUNTY
ABCZ_MOUSE
ABCZ_MOUSE
ABCZ_HUMAN
TEGU_HSV11
RL15_BACSU
HS11_SOYBN
YJGA_ECOLI
CIT1_MOUSE
YY26_MYCTU
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BIR1_SCHPO
YO83_CAEEL
                                           FLA3_METVO
YKG1_CAEEL
YKA1_ECOLI
ERA_CAMJE
ERA_STAAM
ERA_OUAE
ERA_LISIN
ERA_LISNO
RS3_HALN1
RS3_HALMA
YIHG_ECOLI
TUS_YERPE
PDX6_YERPE
PDX6_YERPE
PDX7_YERPE
 RF1_HELPY
AMPN_ACEPA
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 P20281
P32129
Q916x9
Q9pf39
P43858
P18780
Q52356
P55998
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Q99ts9
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P10220
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P41234
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Q8y750
P15009
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P45528
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P27805
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P26650
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ID YCX9_00
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AC 09MTM6
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DT 15-JUN
DT 15-JUN
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DT 15-JUN
DT 6-DID-T
OC CELCATY
OC Sperma
OC EUCS1
OX NCBL_T
RN [1]
RP SEQUEN
RC STRAIN
RX MEDLIN
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Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae;
eurosids II; Myrtales; Onagraceae; Oenothera.
NCBI_TaxID=85636;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15-JUN-2002 (Rel. 41, Created)
15-JUN-2002 (Rel. 41, Last sequence update)
15-JUN-2002 (Rel. 41, Last annotation update)
15-JUN-2002 (Rel. 41, Last annotation update)
Hypothetical 9.7 kDa protein in trnC-rpoB intergenic region (ORF84).
Oenothera hookeri (Hooker's evening primrose).
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STRAIN-cv. Johansen;
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7 1.2 359 1 AROC_CHLPN 7 1.2 367 1 YQO1_CAEEL 7 1.2 389 1 NDPP_MOUSE 7 1.2 399 1 EFTU_FERIS 7 1.2 399 1 TIG_XYLFA 7 1.2 449 1 YMGS_CAEEL 7 1.2 449 1 ROK_HUMAN 7 1.2 463 1 ROK_RABIT 7 1.2 464 1 ROK_MUSE 7 1.2 464 1 ROK_MUSE 7 1.2 464 1 ROK_MUSE 7 1.2 484 1 FKHL_YEAST 7 1.2 484 1 FKHL_YEAST 7 1.2 486 1 CDSN_HUMAN	359 1 AROC_CHLPN 367 1 YQO1_CAEEL 389 1 NDPP_MOUSE 399 1 EFTU_FERIS 431 1 TIG_XYLFA 449 1 YMG5_CAEEL 463 1 ROK_TUMAN 463 1 ROK_RABIT 464 1 OTSA_RHISN 464 1 ROK_MOUSE 484 1 FKHL_YEAST 486 1 CDSN_HUMAN	45
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Mus musculus (Mouse).		e binding f	01-AUG-1991 (Rel. 19, Last sequence update)	(Rel. 19,			1_MOUSE	C. E.11154G	1 MNLQAHLI 8	 358 MNLQAHLI 365	vat		SEQUENCE 84 AA; 9674 MW; D3/B6A918546EUCB CKC64;	ast; Hypothetical protein.	EMBL; AJ271079; CAB67150.1;		an émail to	entities requires a license agreement (See http://www.isb-sib.ch/announce/	ified and this s	use by non-profit institutions as long as its content is in no way	between the Swigs Institute of Bioinformatics and the Emph outsation on its	This SWISS-PROT entry is copyright. It is produced through a contraction		Mol. Gen. Genet. 263:581-585(2000).	Filebothers plasfomes.":	"Complete nucleotide sequence or the concinerate transfer of the five distinguishable	Chiu WL., Sears B.;	Hupfer H., Swiatek M., Hornung S., Herrmann R.G., Maler R.M.,	bMed=10852478;	SIRAIN-CV. COMMISSIO,

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Eukaryota; Fungi; Ascomycota; Schizosaccharomycetacea;
Schizosaccharomycetales; Schizosaccharomycetaceae;
Schizosaccharomyces.
NCBI_TaxID=4896;
                                                                                                                                                                                                                      15-JUL-1998 (Rel. 36, Created)
15-JUL-1998 (Rel. 36, Last sequence update)
15-JUN-2002 (Rel. 41, Last annotation update)
Birl protein (Chromosome segregation protein Birl or Cutl7 OR PBHL OR SPCC962.02C.
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MEDLINE=21848401; PubMed=11859360
             SEQUENCE FROM N.A STRAIN=972;
                                                            "Birl/Cutl7 moving from chromosome to spindle upon the loss of cohesion is required for condensation, spindle elongation and repair.";
                                                                                                        Morishita J., Matsusaka T., Goshima G.,
Vanagida M.
                                                                                                                         SEQUENCE FROM N.A., FUNCTION, AND SUBCELLULAR LOCATION MEDLINE=21439264; PubMed=11554922;
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PIR; A38558; A38558.
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MEDLINE-91095416; PubMed=1986360;
Yan C., Tamm I.;
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Mammalia; Eutheria;
NCBI_TaxID=10090;
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response element binding factors of the murine (2'-5')oligoadenylate
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184
270
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ASP/GLU-RICH (ACIDIC).

LEUCINE-ZIPPER.

PHOSPHORYLATION (BY CK2) (PO

PHOSPHORYLATION (BY CK2) (PO

MY: AC45C725162E8B03 CRC64;
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EMBL; AB031034; BAA83415.1;
EMBL; AL031323; CAA20434.1;
HSSP; Q13490; 1QBH,
InterPro; IPR001370; BIR,
Pfam; PF00653; BIR; 2,
SMART; SM002338; BIR; 2,

BIR_REPEAT_1; FALSE_NEG

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RA Wood V., Gwilliam R., Rajandream M.A., Lyne M., Lyne R., Stewart A., Ra Sgouros J., Peat N., Hayles J., Baker S., Basham D., Bowman S., Brown S., Chillingworth T., Churcher C.M., RR Gollins M., Connor R., Cronin A., Davis P., Feltwell T., Fraser A., Ra Gentles S., Goble A., Hamlin N., Harris D., Hidalgo J., Hodgson G., Ra Gentles S., Goble A., Hamlin N., Harris D., Hidalgo J., Hodgson G., Ra Gentles S., Goble A., Hamlin N., Harris D., Hidalgo J., Hodgson G., Ra Gentles S., Hornsby T., Howarth S., Huckle E.J., Hunt S., Jagels K., James K., Jones L., Jones M., Leather S., McDonald S., McLean J., McDonald S., Rutter S., Sannders D., Seeger K., Sharp S., Stevens K., Ra Golier S., Simmonds M., Squares R., Squares S., Stevens K., Taylor R., G., Tivey A., Walsh S. V., Warren T., Whitehead S., Ra McDonard J., Volckaert G., Aert R., Robben J., Grymonprez B., Ra Weltjens I., Vanstreels E., Rieger M., Schaefer M., Mueller Auer S., Ra Gabel C., Fuchs M., Fritzc C., Holzer E., Moestl D., Hilbert H., Ra Borzym K., Langer I., Beck A., Lehrach H., Reinhardt R., Pohl T.M., Ra Gabel C., Fuchs M., Fritzc C., Holzer E., Moestl D., Hilbert H., Ra Eger P., Zimmermann W., Wedler H., Wambutt R., Purnelle B., McGoffeu A., Cadieu E., Dreano S., Gloux S., Lehaure V., Mottier S., Ra Galibert F., Aves S.J., Xiang Z., Hunt C., Moore K., Hurst S.M., Lucas M., Rochet M., Galliardin C., Tallada V.A., Garzon A., Thode G., Palakovski G.V., Ussery D., Barrell B.G., Nurse P., Persburg S.L., Rhaure 415:871-880(2002).
                                                                                                                                                                                                                                                                                                                    This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CHARACTERIZATION.

MEDLINE=99398681; PubMed=10468581;

Uren A.G., Beilharz T., O'Connell M.J., Bugg S.J., van Driel R.,

Vaux D.L., Lithgow T.;

"Role for yeast inhibitor of apoptosis (IAP)-like proteins in cell
division.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CHARACTERIZATION.

MEDLINE=2185042; PubMed=11861551;

Rajagopalan S., Balasubramanian M.K.;

Rajagopalan S., Balasubramanian M.K.;

"Schizosaccharomyces pombe Birlp, a nuclear protein that localizes

"Schizosaccharomyces pombe midzone, is essential for chromosome
condensation and spindle elongation during mitosis.";

Genetics 160:445-456(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDLINE=20035862; PubMed=10571085,
Rajagopalan S., Balasubramanian M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Proc. Natl.
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01-FEB-1994
01-FEB-1994
15-JUN-2002
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Bonfield J., Burton J., Connell M., Copsey T., Cooper J., Coulson A.
Craxton M., Dear S., Du Z., Durbin R., Favello A., Fraser A.,
Fulton L., Gardner A., Green P., Hawkins T., Hillier L., Jier M.,
Johnston L., Jones M., Kershaw J., Kirsten J., Laisster N.,
Latreille P., Lighthing J., Lloyd C., Mortimore B., O'Callaghan M.,
Parsons J., Percy C., Rifken L., Roopra A., Saunders D., Shownkeen I
Sims M., Smaldon N., Smith A., Schammer E., Staden R.,
Sulston J., Thierry-Mieg J., Thomas K., Vaudin M., Vaughan K.,
Waterston R., Watson A., Weinstock L., Wilkinson-Sproat J.,
Waterston R., Watson A., Weinstock L., Wilkinson-Sproat J.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota; Metazoa; Nemato Rhabditidae; Peloderinae; NCBI_TaxID=6239;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-FEB-1994 (Rel. 28, Created)
01-FEB-1994 (Rel. 28, Last sequence update)
15-JUN-2002 (Rel. 41, Last annotation update)
Hypothetical 113.4 kDa protein ZK1236.3 in chromosome
                                                                                                                     Hypothetical SEQUENCE 1
                                                                                                                                                                                                                                                                                        elegans.";
Nature 368:32-38(1994).
                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRAIN=Bristol N2;
MEDLINE=94150718; PubMed=7906398;
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BIR 2.
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MW; 952A6BAFA5C489F4 CRC64;
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Q99758; Q92473;
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15-JUN-2002 (Rel
15-JUN-2002 (Rel
ATP-binding cass
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the European Bioinformatics Institute. The
use by non-profit institutions as long
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entities requires a license agreement (See
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Mammalia; Eutheria;
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MIM; 601615;
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ATP-binding; Tran:
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InterPro; IPR003439; ABC_transportr.
Pfam; PP00005; ABC_tran; 2.
ProDom; PD000006; ABC_transportr; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                       EMBL; U78735; AAC50967.1;
EMBL; X97187; CAA65825.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         or send an email to license@isb-sib.ch).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE FROM N.A. MEDLINE=97179225;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Klugbauer N., Hofmann F.;
"Primary structure of a novel ABC localization on the band encoding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TISSUE=Thyroid carcinoma;
MEDLINE=96326608; PubMed=8706931;
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CELLS (MTC) AND IN C-CELL CARCINOMA.
DOMAIN: MULTIFUNCTIONAL POLYPEPTIDE WITH TWO HOMOLOGOUS HALVES,
EACH CONTAINING AN HYDROPHOBIC MEMBRANE-ANCHORING DOMAIN AND AN
ATP BINDING CASSETTE (ABC) DOMAIN (BY SIMILARITY). ABCA SUBFAMILY.
SIMILARITY: BELONGS TO THE ABC TRANSPORTER FAMILY. ABCA SUBFAMILY.
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TISSUE SPECIFICITY: HIGHLY EXPRESSED IN LUNG, FOLLOWED BY BRAIN, PANCREAS, SKELETAL MUSCLE AND HEART. WEAKLY EXPRESSED IN PLACENTA.
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cassette, sub-family A, member 3 (ATP-binding
3) (ATP-binding cassette 3) (ABC-C transporter
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Raay T.J., Petr;
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RESULTS (Ruman)

CO Kammalia; Entheria; Primates; Catarrhini; Hominidae; Homo.

RESULTS (Ruman)

CO Kammalia; Entheria; Primates; Catarrhini; Hominidae; Homo.

RESULTS (Ruman)

CO Kammalia; Entheria; Primates; Catarrhini; Hominidae; Homo.

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                       VARIANTS FHA THR-1091 AND 1893-GLU-ASP-1894 DEL.

MEDLING=20001430; PubMed=10533863;

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Collins J.A., Van Dam M., Molhuizen H.O.F., Loubser O.;

Ouelette B.F.F., Sensen C.W., Fichter K., Mott S., Denis M.,

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MEDLINE-99364413; PubMed-10431238;
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                                                                                                                                                                                                                                                                                  VARIANTS TD ASN-1289 AND HIS-1800.

WEDLINE=20171564; PubMed=10706591;

Brousseau M.E., Schaefer E.J., Dupuls J., Eustace B.,

Van Eerdewegh P., Goldkamp A.L., Thurston L.M., FitzGerald

Yasek McKenna D., O'Neill G., Eberhart G.P., Weiffenbach B.

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Tangier disease":
                                                                     VARIANT TD ASP-1046, VARIANT FHA CXS-230, AND VARIANT ILE-825; MET-883 AND LYS-1587. MEDILINE-20396633; PubbMed-1038021; MEDILINE-20396633; PubbMed-1038021; Young K., Zinman B., Wang J., Burnett J.R., Near S., Young K., Zinman B., Connelly P.W., Harris S.B., Hegele R.A.; Connelly P.W., Harris S.B., Hegele R.A.; "Common and rare ABCAL variants affecting plasma HDL Arterioscler. Thromb. Vasc. Biol. 20:1983-1989(2000).
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Nishida Y., Hirano K., Tsukamoto K., Nagano M., Ikegami C., Roomp K., Ishihara M., Sakane N., Ehang Z., Tsujii K., Matsuyama A., Ohama T., Matsurar F., Ishigami M., Sakai N., Hiraoka H., Hattori H., Wellington C., Yoshida Y., Misugi S., Hayden M.R., Egashira T., Yamashita S., Matsuzawa Y., "Expression and functional analyses of novel mutations of ATP-binding cassette transporter-1 in japanese patients with high-density lipoprotein deficiency.";
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[17]
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Huang W., Moriyama K., Koga T., Hua H., Ageta Mawatari K., Imamura T., Eto T., Kawamura M., "Novel mutations in ABCA1 gene in Japanese pad disease and familial high density lipoprotein coronary heart disease.";
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Laplcka-Bodzioch K., Bodzioch M., Kruell M., Kielar
Kiec B., Addrikovics H., Boettcher A., Hubacek J., A
Suttorp N., Schmitz G.;
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Probst M., Ordovas J.M., Aslanidis C., Lackner K.J.,
Rloomfield Rubins H., Collins D., Robins S.J., Wilson P.W.F.
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Hayden M.R.;
"Common genetic variation in ABCA1 is associated with altered
lipoprotein levels and a modified risk for coronary artery dis
Circulation 103:1198-1205(2001).
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MEDLINE=21369429; P
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MEDLINE=21157003;
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MEDLINE=21369433; PubMed=11476965;
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                                            DOMAIN: MULTIFUNCTIONAL POLYPEPTIDE WITH TWO HOMOLOGOUS HALVES, BACH CONTAINING AN HYDRÖDHOBIC MEMBRANE-ANCHORING DOMAIN AND AN ATP BINDING CASSETTE (ABC) DOMAIN BRANCHORING DOMAIN AND ATP BINDING CASSETTE (ABC) DOMAIN DISEASE; DEFECTS IN ABCA1 ARE A CAUSE OF HIGH DENSITY LIPOPROTEIN DEFICIENCY TYPE I (HDLD1), ALSO KNOWN AS TANGLER DISEASE (TD). TO LS A RECESSIVE DISORDER CHARACTERIZED BY ABSENCE OF HIGH DENSITY LIPOPROTEIN (HDL) CHOLESTEROL FROM PLASMA, HEPATOSPLENOMEGALY,
                                                                                                                                                                                                                                             MACROPHAGES.
                                                                                                                                                                                                                                                                     TISSUE SPECIFICITY: WIDELY EXPRESSED,
                                                                                                                                                                                                                                                                                                      TRANSPORT
                                                                                                                                                                                                                                                                                                                           TRANSPORTER.
                                                                                                                                                                                                                                                                                                                                                     FUNCTION:
                          PERIPHERAL NEUROPATHY,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   S.M., Zwinderman A.H., Engert J.C.,
                                                                                                                                                                                                                                                                                                                                                   Biophys. Res. Commun. 29
TION: CAMP-DEPENDENT AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Biophys.
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ow HDL cholesterol levels
154:607-611(2001).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MET-883 AND ASP-1172,
PubMed=11257261;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Roomp K., Jukema J.W.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Acta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AND VARIANT ATHEROSCLEROSIS
                                                                                                                                                                                                                                                                                                                           GATEKEEPER INFLUENCING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1537:71-78(2001).
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                                                                                                                                                                                                                                                                                                                        290:713-721(2002).
ND SULFONYLUREA-SENSITIVE AN
R INFLUENCING INTRACELLULAR
                             FREQUENTLY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRO-774;
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Aslanidis C.,
                                                                                                                                                                                                                                                                     ABUNDANT
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with Tangier
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Sasaki
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THE TENT OF A RESULT OF A RESU
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01-FEB-1995
16-OCT-2001
15-JUN-2002
ATP-binding
transporter
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ABC1_1
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                                                                                                              TRANSMEM
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EMBL; X75926; CAA53530.1; ALT_INIT.
EMBL; AF287263; AAG39073.1; ALT_INIT
MGD; MGI:99607; Abcal.
InterPro; IPR003593; AAA_ATPase.
InterPro; IPR003439; ABC_transportr.
Pfam; PF00005; ABC_tran; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE FROM N.A.
STRAIN-DBA/2; TISSUE-Macrophage;
MEDLINE-94375008; PubMed-8088782;
Luciani M.F., Denizot F., Savary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Qiu Y., Cavelier L., Chiu S., Rubin E., Cheng J.-F.;
"Human and mouse ABCAl comparative sequencing and transgenessi
identify potential regulatory sequences.";
Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.
-I- FUNCTION: CAMP-DEPENDENT AND SULFONYLUREA-SENSITIVE ANION
TRANSPORTER. KEY GATEKEEPER INFLUENCING INTRACELLULAR CHO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                                 SMART; SM00382;
PROSITE; PS0021
                                                                                                                                                                                                                                                                                                               entities requires a license agreement (See http://www.isb-sib.or_send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                         use by non-profit institutions as long modified and this statement is not removed.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STRAIN=C57BL/6J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Genomics 21:150-159(1994).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                              SWISS-PROT entry is copyright. It is produced through ween the Swiss Institute of Bioinformatics and the EN European Bioinformatics Institute. There are no restr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TRANSPORT (BY SIMILARITY).
TISSUE SPECIFICITY: WIDELY EXPRESSED IN ADULT TISSUES. HIGHEST LEVELS ARE FOUND IN PREGNANT UTERUS AND UTERUS.
DOMAIN: MULTIFUNCTIONAL POLYPEPTIDE WITH TWO HOMOLOGOUS HALVES, EACH CONTAINING AN HYDROPHOBIC MEMBRANE-ANCHORING DOMAIN AND AN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATP BINDING CASSETTE (ABC) DOMAIN. SIMILARITY: BELONGS TO THE ABC TRANSPORTER FAMILY. ABCA SUBFAMILY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity
8; Conserv
                                                                                                                                                             PD000006;
                                                                                                                     PS00211;
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s (Mouse)
Metazoa; Chordata; C
Metazoa; Rodentia; S
g; Glycoprotein;
26 42
66 656
690 706
717 733
749 765
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (Rel. 40, Last sequence update)
(Rel. 41, Last annotation update)
cassette, sub-family A, member 1 (AT
1) (ATP-binding cassette 1) (ABC-1).
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                                                                                                                                       AAA;
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                                                                                                                     ABC_TRANSPORTER;
                                                                                                                                                             ABC_transportr;
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                                                                                                                                                                                                                                                        ALT_INIT.
1; ALT_INIT.
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                                                                                                  Transmembrane;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 8;
Pred. No.
                 POTENTIAL.
POTENTIAL.
POTENTIAL.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
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There are no restrictions
ong as its content is in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ing on l
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and transgenesis
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; Murinae; Mus
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14 98 151 161 196 244 292 337

TRANSMEM
TRANSMEM
TRANSMEM
NP_BIND
CARBOHYD
CARB

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ABC2_MOUSE

ABC2_MOUSE

TD ABC2_MOUSE

TD ABC2_MOUSE

TD ABC2_MOUSE

TD ABC2_MOUSE

TD ABC2_MOUSE

TD COTT-2001 (Rel. 31, Created)

DT 16-CCT-2001 (Rel. 40, Last sequence update)

DT 15-JUN-2002 (Rel. 41, Last annotation update)

DT 15-JUN-2002 (Rel. 41, Last annotation update)

DT 15-JUN-2002 (Rel. 41, Last annotation update)

DT 15-JUN-2002 (AFD-binding cassette 2)

E transporter 2) (ATD-binding cassette 2).

GN ABCA2 OR ABCA:

OR
Genomics 21:150-159(1994).
-!- FUNCTION: PROBABLE TRANSPORTER,
                                                                                   SEQUENCE OF 964-2434 FROM N.A. STRAIN-DBA/2; TISSUE-Macrophage; MEDLINE-94375008; PubMed-8088782; Luciani M.F. Denizot F., Savary S., Mattei M. "Cloning of two novel ABC transporters mapping
                                                                                                                                                                                                                                                                            the EMBL/GenBank/DDBJ
                                                                                                                                                                                                                                                                                                                                                                       REVISIONS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               POTENTIAL.

POTENT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 8; DB 1 Pred. No. 28; 0; Mismatches
   ITS NATURAL SUBSTRATE HAS NOT BEEN
                                                                               7 on
                                                                                                                                                                                                                                                                        databases
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                                                                               , Chimini G.;
human chromosome
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RESULT 9
ABC2_HUMAN
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Best Local s
Matches · 8
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MGD: MGI:99606; Abca2.

InterPro; IPR00359; AAA_ATPASE.

InterPro; IPR00359; ABC_transportr.

Pfam; PP000005; ABC_trans; 2:

Probom; PD00006; ABC_transportr; 2.

Probom; P00001; ABC_TRANSPORTER; 1.

SMARY; SM00382; AAA. 2.

PROSITE; PS00211; ABC_TRANSPORTER; 1.

ATP-binding; Transport; Transmembrane; Re
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TRANSMEM
NP_BIND
NP_BIND
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-!- SUBCELLULAR LOCATION: Integral membrane protein (Potential).

-!- TISSUE SPECIFICITY: WIDELY EXPRESSED IN ADULT TISSUES. HIGHEST LEVELS ARE FOUND IN BRAIN AND PRECNANT UTERUS.

-!- SINILARITY: BELONGS TO THE ABC TRANSPORTER FAMILY. ABCA SUBFAMILY.
                                                                                                                                                                                 374 GLFPPTSG 381
                                                                                                                       GLFPPTSG 1046
                                                                                                                                                                                                                                           Similarity
8; Conser
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100.0%; Pr
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ATP (POTENTIAL)
N-LINKED (GLCNAC
N-LI
                                                                                                                                                                                                                                           score 8; DB;
; Pred. No. 30
0; Mismatches
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ABCC2LMA
ABC

SEQUENCE FROM N.A., STRAIN-DBA/2; Chimini G.; Chimini G.; Submitted (DEC-2000) to

AND

0;

"Cloning 9.";

밁 QΥ

948

GLEPPISG 955

374 GLFPPTSG 381

Query Match Best Local S Matches 8

Similarity 100 8; Conservative

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254011 1.4%;

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between
the Euro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Biochem. Biophys. Res. Commun. 281:249-258(2001).

-I- FUNCTION: PROBABLE TRANSPORTER, ITS NATURAL SUBSTRATE HAS FOUND YET. MAY HAVE A ROLE IN MACROPHAGE LIPID METABOLISM NEURAL DEVELOPMENT.

-I- SUBCELLULAR LOCATION: Integral membrane protein (Potential SUBCELLULAR LOCATION: Integral membrane FAMILY. ABCA SUBCELLULAR LOCATION: THE ABC TRANSPORTER FAMILY. ABCA SUBCELLULAR LOCATION: THE ABC TRANSPORTER FAMILY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Bared G.M., Buchler C., Schmitz G.; "Complete coding sequence, promoter region, and the human ABCA2 gene and evidence for sterol-de
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens (Human).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              16-OCT-2001 (Rel. 40, Created)
16-OCT-2001 (Rel. 40, Last sequence update)
15-JUN-2002 (Rel. 41, Last annotation update)
ATP-binding cassette, sub-family A, member 2 (
transporter 2) (ATP-binding cassette 2).
ABCA2 OR ABC2.
EMBL, 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EMBL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          use by non-profit institutions as long a
modified and this statement is not removed:
entitles requires a license agreement (See l
or send an email to license@isb-sib.ch).
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Bared G.M., Buchler C., Schmitz G.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PubMed=11178988;
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European Bioinformatics Institute
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AF327671,

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AF327661;
AF327662;
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AF327668;
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AF327666;
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AF327659;
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           AAK14335.
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TRANSPORTER FAMILY, ABCA SUBFAMILY.
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InterPro; IPR003439; ABC_transpc
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                                                                                                                374 GLFPPTSG 381
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AF327696
AF327697
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AF327703
AF327704
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i, ABC_tran; 2.
io6; ABC_tran.
; AAA.
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                                                                                                                                            ; Score 8; DB 1
8; Pred. No. 30;
0; Mismatches
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Gaps

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Length 2436; Indels

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RESULT 11
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ID RL15
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DT 01-FE
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RN (1)
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Best Local
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01-FEB-1991
01-FEB-1991
16-OCT-2001
                                                                                                                                  Nakamura K., Nakamura A., Takamatsu H., "Cloning and characterization of a Bacil to E. coli secy.";
                                                                                                                                                                           SEQUENCE FROM N.A. MEDLINE-90292990;
                                                                                                                                                                                                                 Bacillus subtilis.
Bacteria; Firmicutes;
NCBI_TaxID=1423;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MCGeoch D.J., Dalrymple M.A., Davison A.J., Dolan A., Frame M.C., McNab D., Perry L.J., Scott J.E., Taylor P.;

"The complate DNA sequence of the long unique region in the genome herpes simplex virus type 1."

J. Gen. Virol. 69:1531-1574(1988).

FUNCTION: TEGUMENT PROTEIN.

SIMILARITY: BELONGS TO FAMILY THAT GROUPS TOGETHER HSV-1 UL36, EHV-1 24, EBV BPLF1, HVS-1 64, VZV 22, AND HCMV UL48.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01-MAR-1989
01-MAR-1989
01-APR-1993
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                                                                                                                                                                                                                                                                                                                        RL15_BACSU
P19946;
                                                                                                                                                                                                                                                                                                                                                    BACSU
                                                                                                                                                                                                                                                                                                                                                                                                      2857 PPPTSGPP 2864
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EMBL; X14112; CAA32311.1; -.
PIR; I30085; WMBEH6.
InterPro; IPR005210; Herpes_UL36.
Pfam; PF03586; Herpes_UL36; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Herpes simplex virus (type 1 / strain Viruses; dsDNA viruses, no RNA stage;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE FROM N.A.
MEDLINE=88274327; PubMed=2839594;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Alphaherpesvirinae;
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                                                                                                                           Biochem.
                                                                                                                                                                                                                                                                      ribosomal
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3164 AA;
                                                                                                                        107:603-607(1990)
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(Rel. 17, Last sequence update)
(Rel. 40, Last annotation update)
al protein L15.
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(Rel. 10, Last sequence update)
(Rel. 25, Last annotation update)
ent protein (Virion protein UL36)
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                                                                                                                                                                                                                                                                                                                                      TX1';
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         X 2 AA TANDEM REPEATS OF CC5D31FF4F9FE3F4 CRC64;
                                                                                                                                             u H., Yoshikawa H., Yamane K.;
Bacillus subtilis gene homologous
                                                                                                                                                                                                                                                                                                                                     146 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 1
o. 38;
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n UL36).
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Best Local Similarity
Matches 7; Conserv
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R EMBL; X51329; CAA35711.1; -.

R EMBL; X51329; CAA35711.1; -.

R EMBL; M33102; AAB56818.1; -.

R EMBL; M33102; AAB59117.1; -.

R EMBL; Z99104; CAB11911.1; -.

R EMBL; Z99104; CAB11911.1; -.

R PIR, S12682; R5BSL5.

R SubtiList; B610444; rplo.

R InterPro; IPR001196; Ribosomal_L15.

R Ffam; PF00256; L15; 1.

R Pfam; PF01305; R1bosomal_L15; 1.

R PTGRFAM8; TIGR01071; rplo_bact; 1.

R TIGRFAM8; TIGR01071; rplo_bact; 1.

R PROSITE; PS00475; RIBOSOMAL_L15; 1.

R PROSITE; PS00475; RIBOSOMAL_L15; 1.

R R SIDSOMAL TICKA: SDB07A902B266C11 CRC64;
                                                                                                                                      HSII_SOYBN STANDARD; PRT; 153 AA.

HSII_SOYBN STANDARD; PRT; 153 AA.

PD2519;
21-JUL-1986 (Rel. 01, Created)
21-JUL-1986 (Rel. 02, Last sequence update)
01-FEB-1994 (Rel. 28, Last annotation update)
17.3 kDa class I heat shock protein (HSP 17.3).

HSP17.3-B OR HS6871.
61ycine max (Soybean).
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosida
eurosids I; Fabales; Fabaceae; Papilionoideae; Phaseoleae; Glycine.
SEQUENCE FROM N.A.
SCHOFfl F., Raschke E., Nagao R.T.;
The DNA sequence analysis of soybean identification of possible regulatory EMBO J. 3:2491-2497(1984).
EMBO J. 3:2491-2497(1984).
-i- SUBBUTI: FORMS OLICOMERIC STRUCTUR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                 NCBI_TaxID=3847;
                                                                                                                                                                                                                                                                                                                                       SOYBN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Isolation of a secy homologue from Bacillus subtilis: evidence f common protein export pathway in eubacteria.";
Mol. Microbiol. 4:305-314(1990).
-i- FUNCTION: THIS PROTEIN BINDS DIRECTLY TO 23S RIBOSOMAL RNA.
-i- SIMILARITY: BELONGS TO THE L15P FAMILY OF RIBOSOMAL PROTEINS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDLINE=90251170;
Suh J.-W., Boylan
Price C.W.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRAIN-168 / Marburg;
MEDLINE-96186897; PubMed-8635744;
Suh J.W., Boylan S.A., Oh S.H., Price C.W.;
"Genetic and transcriptional organization of spc-alpha region.";
spc-alpha region.";
cene 169:17-23(1996).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE FROM N.A
STRAIN-168 / Marb
                                                                                                                                                                                                                                                                                                                                                                                                                                      136 LDKLNGF 142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE OF 94-146 FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                         79
                                                                                                                                                                                                                                                                                                                                                                                                         LDKLNGF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                         85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PubMed=2110998;
S.A., Thomas S.M.,
               OLIGOMERIC STRUCTURES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 7; [
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
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                                              promoter
                                                                 heat-shock
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 1;
o. 25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        of the Bacillus subtilis
                                                ck genes and
elements.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 146;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ECOLI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EMBL; X01104; CAA25578.1; -. pir; A02922; HHSY17. InterPro; ITPR002068; Hsp20. pfam; Pr00011; HSP20; 1. PROSITE; PS01031; HSP20; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                             Blattner F.R:;
Blattner F.R:;
"Analysis of the Escherichia coli genome
region from 92.8 through 100 minutes.";
""" Acids Res. 23:2105-2119(1995).
                                                                                                                                                                                                                                                                                                                                                                                                                           01-AUG-1992 (Rel. 23, Created)
01-AUG-1992 (Rel. 23, Last sequence update)
16-OCT-2001 (Rel. 40, Last annotation update)
Hypothetical protein yjgA (x96 protein).
YJGA OR X96 OR B4234 OR Z5844 OR ECS5211.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE
                                                               "Evidence for involvement of Escherichia previously unrecognized gene tldD, in the letD (ccdB) of sex factor F.";
                                                                                                        MEDLINE-96177756; PubMed-8604133;
Murayama N., Shimizu H., Takiguchi S.,
Horiuchi T., Sekimizu K., Miki T.;
                                                                                                                                                                                                                    SEQUENCE case.
SEQUENCE case.
STRAIN-K12 / MG1655;
MEDLINE-95334362; PubMed-7610040;
MEDLINE-95334362; PubMett G. III, Sofia H.J., Daniels D.L.,
                                                                                                                                                                                                                                                                                                         SEQUENCE FROM N.A. Rodriquez-Sainz M.C., Submitted (XXX-1992)
                                                                                                                                                                                                                                                                                                                                                                                                  Escherichia coli, and Escherichia coli 0157:H7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               P26650;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Heat shock;
                                                                                                                                               STRAIN-K12;
                                                                                                                                                                                                                                                                                                                                                                                     Bacteria; Proteobacteria;
                          SEQUENCE FROM
                                                    J. Mol.
                                                                                                                                                           SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                            NCBI_TaxID=562,
                                                                                                                                                                                                                                                                                                                                                                          Escherichia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           YJGA_ECOLI
 MEDLINE=21074935;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      483 KEEVKLE 489
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
nes 7; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           68 KEEVKLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FAMILY.

SIMILARITY: PLANTS HAVE FOUR CLASSES OF HSP20: CLASS I AND II WHICH ARE CYTOPLASMIC; CLASS III WHICH IS IN THE CHLOROPLAST AND CLASS IV WHICH IS IN THE ENDOMEMBRANE. THIS PROTEIN BELONGS TO CLASS I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SIMILARITY: BELONGS TO THE SMALL HEAT SHOCK PROTEIN (HSP20)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  153 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Multigene family.
153 AA; 17347 MW;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             74
                          N.A
                                                    256:483-502(1996).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STANDARD;
                                                                                                                                                                                                                                                                                                                                                              83334;
             EDL933
EDL933 / ATCC 700927;
PubMed=11206551;
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Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A1A8612B9EC86819 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                        subdivision;
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26;
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                                                                               the
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                                                                                           coli genes
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                                                                               control
                                                                                                                      Y., Amino
                                                                                                                                                                                                                DNA sequence of the
                                                                                                                                                                                                                                                                                                                                                                                         Enterobacteriaceae;
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l of DNA g
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RAARA 
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CIT1_M
     DЬ
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRAIN=0157:H7 / RIMD 0509952;
MEDLINE=21156231; PubMed=11258796;
Haydshi T., Makino K., Ohnishi M., Kurokawa K., Ishii K., Yokoyama Haydshi T., Makino E., Ohtisho E., Makayama K., Murata T., Tanaka M., Tobe T., Iida T., Takami H., Honda T., Sasakawa C., Ogasawara N., Yasunaga T. Kuhara S., Shiba T., Hattori M., Shinagawa H.;
TComplete genome sequence of enterohemorrhagic Escherichia coli O157:H7 and genomic comparison with a laboratory strain K-12.";
DNA Res. 8:11-22(2001).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entitles requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation
and is associated with pigmentation.";

Proc. Natl. Acad. Sci. U.S.A. 93:1228-12303(1996).

1- FUNCTION: NOT KNOWN, SEEMS TO BE ASSOCIATED WITH P

-- SUBCELLULAR LOCATION: NUCLEAR

-- TISSUE SPECIFICITY: EXPRESSED ONLY IN MELANOCYTES

EXPRESSED AT HIGH LEVELS IN THE STRONGLY PIGMENTED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EMBL; M95096; AAA24760.1; --
EMBL; U14003; AAA97131.1; --
EMBL; AE000494; AAC77191.1; --
EMBL; D44452; BAA07914.1; --
                                                                                                                                                                  SEQUENCE FROM N.A.
MEDLINE=97057236; PubMed=8901575;
Shioda T., Fenner M.H., Isselbacher K.J.;
"msgl, a novel melanocyte-specific gene, '
                                                                                                                                                                                                                                                                                                                                                                                                                                                  15-DEC-1998 (Rel. 37, Created)
15-DEC-1998 (Rel. 37, Last sequence update)
15-DUN-2002 (Rel. 41, Last annotation updat
Cbp/p300-interacting transactivator 1 (Mela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CIT1_MOUSE P97769;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOUSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EMBL; AE005655; AAG59431.1; -. EMBL; AP002568; BAB38634.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                           CITED1 OR MSG1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Hypothetical protein;
                                                                                                                                                                                                                                                                                                                                             Mammalia;
                                                                                                                                                                                                                                                                                                                                                                       Eukaryota; Metazoa;
                                                                                                                                                                                                                                                                                                                                                                                                 Mus musculus (Mouse)
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                                                                                                                                                                                                                                                                                                             NCBI_TaxID=10090;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EG11410; yjgA
                                                                                                                                                                                                                                                                                                                                          Eutheria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            183 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STANDARD;
                                                                                                                                                                                                                                                                                                                                             Chordata;
Rodentia;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            te proteome.
ASP/GLU-RICH (ACIDIC).
; 069CF47719CD59CB CRC64;
                                                                                                                                                                                                                                                                                                                                       Craniata; Vertebrata;
Sciurognathi; Muridae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     (Melanocyte-specific
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           PIGMENTED MELANOMA CELLS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 183;
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                                                                                                                                                                          nuclear protein
                                                                                                                                                                                                                                                                                                                                                Euteleostomi;
;; Murinae; Mus
                                                                                            PIGMENTATION.
                                           AND TESTIS
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0; Gaps

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RESULT 15
YY26_MY26_MY
AC 050702
DT 01-NOV
DT 16-OCT
DE HYPOTH
GN MY00DA
OC Actino
OX NCBLT
RN [1]
RN SEQUEN
RC STRAIN
RX SEGUEN
RA GOIG
RA GO
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Query Match
Best Local Similarity
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COLE S.T., Brosch R., Parkhill J., Garnier T., Churcher C., Harris D.,
Gordon S.V., Edymeier K., Gas S., Barry C.E. III, Tekaia F.,
Gordon S.V., Edymeier K., Gas S., Barry C.E., III, Tekaia F.,
Badcock K., Basham D., Brown D., Chillingworth T., Connor R.,
Davies R., Devlin K., Feltwell T., Gentles S., Hamlin N., Holroyd S.,
Hornsby T., Jagels K., Krogh A., McLean J., Moule S., Murphy L.,
Oliver S., Osborne J., Quail M.A., Rajandream M.A., Rogers J.,
Rutter S., Seeger K., Skelton S., Squares S., Squares R.,
Sulston J.E., Taylor K., Whitehead S., Barrell B.G.;
"Deciphering the biology of Mycobacterium tuberculosis from the
complete genome sequence."
Mature 393:537-544(1998).
"In SIMILARITY: BELONGS TO THE MYCOBACTERIAL PPE FAMILY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      rY26_MYCTU STANDARD; PRT; 232 AA.

650702;
650702;
01-NOV-1997 (Rel. 35, Created)
01-NOV-1997 (Rel. 35, Last sequence update)
16-OCT-2001 (Rel. 40, Last annotation update)
Hypothetical PPp-family protein Rv3426.

Rv3426 OR MTCY78.03C;
Rv3426 OR MTCY78.03C;
Rv36426 OR MTCY78.03C;
Actinobacterium tuberculosis. Actinobacteria (class); Actinobacteridae;
Actinomycetales; Corynebacterineae; Mycobacteriaceae; Mycobacterium.

NCBI_TaxID-1773;
[1]
                                                                                                                                                                                                                                                                                                                                       This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
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                                                                                                                                                                                   EMBL; Z77165; CAB01030.1; --
TubercuList; Rv3426; --
InterPro; IPR000030; Microbac_PPE.
Pfam; PF00823; PPE; 1.
                                                                                                           Hypothetical protein; Complete proteome. SEQUENCE 232 AA; 25872 MW; D76512D49EB272C6 CRC64;
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20800 MW; BE968A5182873003 CRC64;
1.2%; Score 7; DB 1; Length 232; 100.0%; Pred. No. 38;
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Matches 7; Conservative 0; Mismatches 0; Indels

Qy 168 PRGRRGL 174

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Db 179 PRGRRGL 185
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Search completed: April 16, Job time : 37.4729 secs

2003, 16:35:19

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Result
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Maximum DB seq length: 200000000
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Gapop 60.0 , Gapext 60.0
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7 08TXJ1
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000425 homo sapien
Q9cpn8 mus musculu
057526 zenopus lae
073932 xenopus lae
073932 xenopus lae
073932 xenopus lae
04254 gallus gall
09nzi8 homo sapien
08447 mus musculu
090654 mus musculu
090654 mos sapien
09mtm6 cenothera h
08txjl methanopyru
09bsij0 patella vul
09bsij0 patellaria
09sz7 scutellaria
09sz7 scutellaria
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269088	269088	12	3164	•	œ	0
	Q9НС28	4	2436	1.4	œ	u
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	Q8UVV4	13	2260	1.4	œ	w
	Q95SN5	G	1952	1.4	œ	N
	Q9HEZ4	w	1944	1.4	œ	1
	Q9UVL8	w	1944	1.4	80	0
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	Q9UPU0	4	1529	1.4	œ	8
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	Q9EZ93	2	762	1.4	80	ω
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	Q9VZ69	ഗ	558	1.4	æ	9
	Q9HIW6	17	441	1.4	8	8
	Q930F4	16	338	1.4	œ	7

ALIGNMENTS

RESULT 1 000425

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Query Match Best Local Similarity 100 Matches 579; Conservative	579 AA	PROSITE; PS00030;	PROSITE; PS50102;	DR PROSITE; PS50084; KH_TYPE_	DR SMART; SM00360; RRM; 2.	DR SMART; SM00322; KH; 4.	Pfam;	PFO	Pro; IPR000504;	DR InterPro; IPR004088; KH_	DR InterPro; IPR004087; KH_dom.	DR EMBL; U76705; AAD09223.1; -		_	RA Mueller-Pillasch F., Lacher	RC TISSUE=PANCREAS;	RP SEQUENCE FROM N.A.	RN [2]	Oncogene $0:0-0(0)$.	RA Mueller-Pillasch F., Lacher	RP SEQUENCE FROM N.A.	NCBI_TaxID=9606;	OC Mammalia: Eutheria: Primates:	Homo sapiens (Human)			DT 01-JUN-2002 (TrEMBLrel.	01-JUL-1997 (TrEMBLrel.	01-JUL-1997 (TrEMBLrel.	000425;	ID 000425 PREI,IMINARY
100.0%; Score 579; DB 4; Le 100.0%; Pred. No. 0; ive 0; Mismatches 0; I) MW; AE5C3A8EE3C135C5 CRC64;	1; FALSE_NEG.		3_1; 4.				4.	_rec_mot.	KH_type_1.	iom.			EMBI	er U., Wallrapp C.;					ner U., Wallrapp C., Et AL.;			Primates: Catarrhini: Hominidae:			cein KOC (KOC).	Last annotation update)	04, Last sequence update)	04, Created)		RY: PRT: 579 AA
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SEQUENCE FROM N.A.

ON STRAIN-C57BL/6J; TISSUE-EMBRYO;

XX MEDLLINE-21085660; PubMed=11217851;

XX MEDLLINE-2108560; PubMed=11217851;

XX MEDLLINE-210860; PubMed=11217851;

XX MEDLLINE-2108660; PubMed=11217851;

XX MEDLLINE-210860; PubMed=11217860;

XX MEDLLINE-210860; PubMed=11217860;

XX MEDLLINE-210860; PubMed=11217860;

XX MEDLLINE-210860; PubMed=112178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            O9CPN8 PRELIMINARY; PRT; 579 AA.

O9CPN8:
01-JUN-2001 (TrEMBLrel. 17, Created)
01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
10 days embryo cDNA, RIKEN full-length enriched library,
clone:2610036B18, full insert sequence (Igf2 mRNA-binding)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mus musculus
Eukaryota; M
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[1]
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Query Match 18.0%;
Best Local Similarity 100.0%;
Matches 104; Conservative
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Taxpression of mouse 19f2 mRNA-binding protein 3 and its Taxpression of mouse
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Mori H., Sakakibara S.,
Yuasa Y., Takeda M., Ok
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[2]
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ano H.;
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                                 Score 104; DB 11;
Pred. No. 1.9e-10
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O57526 PRELIMINARY; PRT; 593 AA.

O57526;
O57526;
O1-JUN-1998 (TrEMBLrel. 06, Created)
O1-JUN-1998 (TrEMBLrel. 06, Last sequence update)
O1-JUN-2002 (TrEMBLrel. 21, Last annotation update)
E KH domain-containing transcription factor B3.

Xenopus laevis (African clawed frog).
Sukaryota, Metazoa; Chordata; Craniata; Vertebrata;
C Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea;
Xenopodinae; Xenopus. SEQUENCE FROM N.A.
Havin L., Git A., Elisha Z.,
Pressman Schwartz S., Standar
Genes Dev. 0:0 0:11989.
EMBL; AF064235; AAB97457.1;
EMBL; AF064633; AAC18597.1; SEQUENCE FROM N.A.

MEDLINE=92249652; PubMed=1577195;

Pfaff S.L., Taylor W.L.;

"Characterization of a Xenopus oocyte
developmentally regulated cis-element
Dev. Biol. 151:306-316(1992). SEQUENCE FROM N.A. Griffin D., Taylor Dev. Biol. [2] NCBI_TaxID=8355; (JAN-1998) .L., ç Standart N.M., the EMBL/GenBank/DDBJ Mesobatrachia; Pipoidea; F., Yaniv Yisraeli factor in the Vertebrata; _update) that binds t TFIIIA gene. databases Euteleostomi;
; Pipidae; e. to

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Q9PW80
ID Q9
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InterPro; IPR004088; KH_type_1.
InterPro; IPR004088; KN_trec_mot.
InterPro; IPR00504; RNA_rec_mot.
Pfam; PF00013; KH-domain; 4.
Pfam; PF00076; rrm; 2.
SMART; SM00322; KH; 4.
SMART; SM00322; KH; 4.
SMART; SM00366; RRM; 2.
PROSITE; PS50084; KH_TYPE_1; 4.
PROSITE; PS50004; RRM; 2.
PROSITE; PS500030; RRM, RNP_1; FALSE_NEG.
PROSITE; PS00030; RRM, RNP_1; FALSE_NEG.
SEQUENCE 593 AA; 65385 MW; 5A5AB4B4A1
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Pfam; PF00076; rrm; 2.
SMART; SM00322; KH; 4.
SMART; SM00360; RRM; 2.
PROSITE; PS501084; KH_TVPE_1; 4.
PROSITE; PS501084; KH_TVPE_1; 4.
PROSITE; PS50102; RRM; 2.
SEQUENCE 594 AA; 65643 MW; 54
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Havin L., Git A., Elisha Z., Oberman
Pressman Schwartz S., Standart N.M.,
Genes Dev. 0:0-0(1998).
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01-AUG-1998 (TrEMBLrel. 07, Last sequence update)
01-AUG-1998 (TrEMBLrel. 21, Last annotation update)
01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
VG1 RNA binding protein variant D.
VG1 RNA binding protein variant D.
VG1 RNA binding protein variant D.
VG1 RNA binding protein variant Frog.
Xenopus laevis (African clawed frog).
Eukaryota, Metazoa; Chordata; Craniata; Vertebrata;
Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea
Q9PW80;
01-MAY-2000
                                                                08M460
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EMBL; AF064634; AAC18588.1; -.

EMBL; AF055923; AAC41285.1; -.

InterPro; IPR004087; KH_dom.

InterPro; IPR004088; KH_type_1.

InterPro; IPR00504; RNA_rec_mot.
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MEDLINE-99228331; PubMed-9560341;

MEDLINE-99228331; PubMed-9560341;

Deshler J.O., Highett M.I., Abramson T.,

"A highly conserved RNA-binding protein

"Conserved RNA-bi
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Pred. No. 2e-39;
Mismatches 0
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Yisraeli J.K.;
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RESULT 042254
ID 254
AC 00
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CC 1
DD 2 2
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DD 2 2
DD 2 2
DD 2 3
DD 3 4
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     Query Match
Best Local
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Best Local 9
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EMBL; AR161270; AAD45610.1; -
ZFIN; ZDB-GENE-000308-1; dvr1rbp.

InterPro; IPR004087; KH_dom.

InterPro; IPR000504; RNA_rec_mot.

Pfam; PF00013; KH-domain; 4.

Pfam; PF00076; rrm; 2.

SMART; SM00322; KH; 4.

SMART; SM00322; KH; 4.

SMART; SM00322; KH; 4.

SMART; SM00322; KH; 4.

SMART; SM0034; KH_TYPE_1; 4.

PROSITE; PS50102; RRM; 2.

PROSITE; PS50104; KH, TYPE_1; 4.
                                                                                                                                                                       InterPro; IPR004087; KH_dom.
InterPro; IPR004088; KH_type_1.
InterPro; IPR00504; RM_rec_mot.
Pfam; PF00013; KH-domain; 4.
Pfam; PF00076; rrm; 2.
SMART; SM00322; KH; 4.
SMART; SM00350; RRM; 2.
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042254
01-JAN-1998 (Tres
01-JAN-1998 (Tres
01-JUN-2002 (Tres
21pcode-binding (Tres
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SEQUENCE FROM N.A.

Zhang Q., Yaniv K., Oberman F., Wolke U., Git A., Fromer M.,

Taylor W., Meyer D., Standart N., Raz E., Yisraeli J.K.;

"Vg1 RBP intracellular distribution and evolutionarily conserved."

"Vg1 RBP intracellular distribution and evolutionarily conserved."
                                                                     SMART; SM00360; RRM; 2.
PROSITE; PS501084; KH_TYPE_1; 4.
PROSITE; PS50102; RRW; 2.
PROSITE; PS00030; RRM_RNP_1; FALSE_NEG.
SEQUENCE 576 AA; 63271 MW; 01AAF2D1D81C8811 CRC64;
                                                                                                                                                                                                                                                                                                                                               SEQUENCE FROM N.A.

MEDLINE-97220007; PubMed-9121465;

MEDLINE-97220007; PubMed-9121465;

ROSS A.F., OLeynikov Y.S., Kislauskis E.H., Taneja K.L., Singer R.H.;

"Characterization of a beta-actin mRNA zipcode-binding protein.";

"Characterization of a beta-actin mRNA zipcode-binding protein.";

Mol. Cell. Biol. 17:2158-2165(1997).

EMBL; AF026527; AAB82295.1; -.
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Cyprinidae; Danio.
NCBI_TaxID=7955;
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Eukaryota; Metazoa; Chordata;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        01-MAY-2000 (TrEMBLrel. 13, 01-JUN-2002 (TrEMBLrel. 21, Vg1 RNA binding protein. DVR1RBP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gallus gallus (Chicken).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NCBI_TaxID=9031;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Archosauria; Aves;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         274 TEEIPLKILAHNNEVGRLIGKEGRNLKKIEQDTDTKITISPLQ 316
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Similarity
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(TrEMBLrel.)
(TrEMBLrel.)
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zoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Neopterygii; Teleostei; Ostariophysi; Cypriniform
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Neognathae;
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63351 MW;
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     6.2%;
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Last annotation updat
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Last annotation updat
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Pred. No.
     Score 36;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Craniata; Vertebrata; Euteleostomi; Galliformes; Phasianidae; Phasiani
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9DAE63200681B306 CRC64;
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. 2.8e-37;
     DB 13;
1.1e-29;
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                           576;
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RESULT 8
088477
1D 0884
AC 0884
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DT 011
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DE C01
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GN IG
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Matches 36
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SMART; SMU0360; RRM
PROSITE; PS501084; K
PROSITE; PS50102; F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 InterPro; IPR004087; KH_dom.
InterPro; IPR004088; KH_type_1.
InterPro; IPR000504; RNA_rec_mot.
Pfam; PF00013; KH-domain; 4.
Pfam; PF00076; rrm; 2.
SMART; SM00322; KH; 4.
SMART; SM00326; RH; 4.
PR0SITE; PS50084; KH_TYPE_1; 4.
PR0SITE; PS50084; KH_TYPE_1; 4.
PR0SITE; PS50084; KM, 3.
SEQUENCE 577 AA; 63456 MW; 0744
                                                                                                                                                                                                                                                                                                     01-NOV-1998 (TREMBLEEL 08) Created)
01-NOV-1998 (TREMBLEEL 08) Last sequence update)
01-UNV-2002 (TREMBLEEL 21) Last annotation update)
Coding region determinant binding protein (Coding region binding protein).
IGF2BP1 OR CROBP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                088477;
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IOANNIDIS P., Trangas T., Dimitriadis E., Samiotaki M.,
Panoutsakopoulos G., Kyrlazoglou I., Voutzoulias S., Tsiapalis
Kittas C., Agnantis N., Pandis N.;
"Ectopic expression of a KH-domain containing protein, highly
homologous to both human IMP-1 and mouse CRD-BP, in benign and
malignant mesenchymal tumors.";
Submitted (CCT-1999) to the EMBL/GenBank/DDBJ databases.
EMBL, AF198254; AAF37203.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01-OCT-2000
01-OCT-2000
01-JUN-2002
                                         SEQUENCE FROM N.A.

MEDLINE-92217743; PubMed-1559612;

MEDLINE-92217743; PubMed-1559612;

Bernstein P.L., Herrick D.J., Prokipcak R.D., Ross J.;

"Control of c-myc mRNA half-life in vitro by a protein binding to a coding region stability determinant.";

Genes Dev. 6:642-654(1992).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                mRNA-binding protein CRDBP.
Homo sapiens (Human).
Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
NCBI_TaxID-9606;
                                                                                                                                                                                                                                  Mus musculus (Mouse).
Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Rodentia;
  SEQUENCE FROM
                                                                                                                                                                                                              NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   207
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ch 6.2%; l Similarity 100.0%; 36; Conservative
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(TremBLrel. 15, Last sequence up
(TremBLrel. 21, Last annotation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRELIMINARY;
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Pred. No.
                                                                                                                                                                                                                                  Craniata; Vertebrata; Euteleostomi; Sciurognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Craniata; Vertebrata; Euteleostomi; Catarrhini; Hominidae; Homo.
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. 1.1e-29;
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RP SEQUENCE FROM N.A.

RP SEQUENCE FROM N.A.

RE C. STRAIN-C57BL/6J; TISSUE-EMBRYONIC HEAD;

RX MEDLLINE-21085660; PubMed-11217851;

RX MEDLLINE-21085660; PubMed-11217851;

RA Kawai J., Shinagawa A., Shibata K., Yoshino M., Itoh M., Ishli Y.,

RA Aizawa T., Hara A., Fukunishi Y., Konno H., Adachi J., Fukuda S.,

RA Aizawa K., Izawa M., Nishi K., Kiyosawa H., Kondo S., Yamanaka I.,

RA Aizawa K., Izawa M., Nishi K., Kiyosawa H., Kasukawa T., Saito R.,

RA Aizawa K., Izawa M., Nishi K., Kiyosawa H., Kasukawa T., Saito R.,

RA Aizawa K., Izawa M., Nishi K., Gojobori T., Bono H., Rasukawa T., Saito R.,

RA Saito T., Okazaki Y., Gojobori T., Bono H., Rasukawa T., Saito R.,

RA Fleischmann W., Gaasterland T., Gissi C., King B., Kochiwa H.,

RA Fleischmann W., Gaasterland T., Gissi C., King B., Kochiwa H.,

RA Kuchi P., Lewis S., Matsuo Y., Nikaido I., Pesole G., Quackenbush J.,

RA Kuchi P., Lewis S., Matsuo Y., Nikaido I., Pesole G., Quackenbush J.,

RA Kuchi P., Lewis S., Matsuo Y., Nikaido I., Wagner L., Washio T.,

RA Kachi P., Lewis S., Matsuo Y., Nikaido I., Wagner L., Washio T.,

RA Kachi P., Lewis S., Matsuo Y., Nikaido I., Wagner L., Washio T.,

RA Kachi P., Lewis S., Matsuo Y., Nikaido I., Wagner L., Washio T.,

RA Kachi P., Stabil T., Suzuki R., Tomita M., Magner L., Washio T.,

RA Biake J., Boffelli D., Bojunga N., Carninci P., Ge Bonaldo M.F.,

RA Biake J., Boffelli D., Hofmann M., Hume D.A., Kamlya M., Lee N.H.,

RA Biake J., Boffelli D., Hofmann M., Hume D.A., Kamlya M., Lee N.H.,

RA Biake J., Boto K., Schoenbach C., Seya T., Shibata Y., Storch K.-F.,

RA Sazuki H., Toyo-oka K., Wang K. H., Weitz C., Whittaker C., Wilming L.,

RA Hayashizaki Y., Y., Yoshida K., Hasegawa Y., Kawaji H., Kohtsuki S.,
                                                                                                                  Query Match
Best Local S
Matches 36
                                                                                                                                                                                                                                                                         A Hayashizaki Y.;

A Hayashizaki Y.;

Tructional annotation of a full-length mouse cDNA collection.";

Pulctional annotation of a full-length mouse cDNA collection.";

R EMBL; AR061569; AAC72743.1;

R EMBL; AR061569; AAC72743.1;

R HSSP; P11940; 1CVJ.

R HSSP; P11940; 1CVJ.

R InterPro; IFR004089; KH.dom.

R InterPro; IFR004089; KH.type_1.

R F1am; PF00013; KH-domain; 4.

R SMART; SM00326; KH; 4.

RR SMART; SM00360; RNA_TRUE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Leeds P., Kren B.T., Boylan J.M., Bet
Gruppuso P.A., Ross J.,
"Developmental regulation of CRD-BP,
stabilizes c-myc mRNA in vitro.";
Oncogene 14:1279-1286(1997).
                                                                                                                                                                                                         PROSITE; PS50084; KH_TYPE_1; 4
PROSITE; PS50102; RRM; 2.
SEQUENCE 577 AA; 63450 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE FROM N.A. MEDLINE=97322234;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDLINE-94179348; PubMed-8132663; Prokhipcak R.D., Herrick D.J., Ross J.; Prokification and properties of a protein coding region of human c-myc mRNA."; J. Biol. Chem. 269:9261-9269(1994).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDLINE-94158886; PubMed*8114742; Herrick D.J., ROSS J.; "The half-life of c-myc mRNA in growing and influence of the coding and 3' untranslated ribosome translocation."; Mol. Cell. Biol. 14:2119-2128(1994).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE FROM N.A. MEDLINE-94179348;
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                           207
                                                     207 VGAIIGKEGATIRNITKQTQSKIDVHRKENAGAAEK 242
                         VGAIIGKEGATIRNITKQTQSKIDVHRKENAGAAEK
                                                                                                                                           Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (APR-1998)
                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PubMed=9178888;
I., Boylan J.M., Betz N.A.,
                                                                                              6.2%;
00.0%; *
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Leeds
                                                                                                                  Score 36; DB; Pred. No. 1.1; Mismatches
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                                                                                                                                                                                                              EFBB1AF2FF9F0344 CRC64;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   an RNA-binding protein that
                                                                                                                                              DB 11;
. 1.1e-29
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                                                                                                                     .1e-29;
s 0;
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                           242
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RA Aizawa K., Izawa M., Nishi K., Kiyosawa H., Kondo S., Yamanaka I.,
RA Saito T., Okazaki Y., Gojobori T., Bono H., Kasukawa T., Saito R.,
RA Saito T., Okazaki Y., Gojobori T., Bono H., Kasukawa T., Saito R.,
RA Kadota K., Matsuda H.A., Ashburner M., Batalov S., Casavant T.,
RA Kadota K., Matsuda H.A., Ashburner M., Batalov S., Casavant T.,
RA Kuehl P., Lewis S., Matsuo Y., Nikaido I., Pesole G., Quackenbush J.,
RA Schriml L.M., Staubli F., Suzuki R., Tomita M., Wagner L., Washio T.,
RA Schriml L.M., Staubli F., Suzuki R., Tomita M., Wagner L., Washio T.,
RA Sakai K., Okido T., Furuno M., Aono H., Baldarelli R., Barsh G.,
RA Blake J., Boffelli D., Bojunga N., Carninci P., de Bonaldo M.F.,
RA Brownstein M.J., Bult C., Feletcher C., Fujita M., Gariboldi M.,
RA Gustincich S., Hill D., Hofmann M., Hume D.A., Kamiya M., Lee N.H.,
RA Gustincich S., Hill D., Hofmann M., Hume D.A., Kamiya M., Lee N.H.,
RA Lyons P., Marchionni L., Mashina J., Mazzarelli J., Mombaerts P.,
RA Nordone P., Ring B., Ringwald M., Rodriguez I., Sakamoto N.,
RA Sasaki H., Sato K., Schoenbach C., Seya T., Shibata Y., Storch K.-F.,
RA Suzuki H., Toyo-oka K., Wang K.H., Weitz C., Whittaker C., Wilming L.,
RA Haynshaw-Boris A., Yoshida K., Hasegawa Y., Kawaji H., Kohtsuki S.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT
Q9D054
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
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Best Local :
        SEQUENCE FROM N.A.

MEDLINE=99207072; PubMed=10190901;
Zhang J.Y., Chan E.K., Peng X.X., 'Zhang J.Y., Chan E.K., Peng X.X., 'A novel cytoplasmic protein with i
                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Mammalia; Eutheria; Primates;
                                                                                                                                                                                  P62.
Homo sapiens (Human).
Metazoa; Chordata;
                                                                                                                                                                                                                                                                                                        01-NOV-1999 (TREMBLrel 12, 01-NOV-1999 (TREMBLrel 12, 01-JUN-2002 (TREMBLrel 21,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Piam; PF00076; rrm; 1.
SMART; SM00360; RRM; 1.
PROSITE; PS50102; RRM; 1.
SEQUENCE 100 AA; 11249 MW;
                                                                                                                                                                                                                                                                              Hepatocellular carcinoma autoantigen
                                                                                                                                                                                                                                                                                                                                                                                                                              Q9Y6M1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Nature 409:685-690(2001).
EMBL; AK011797; BABZ7848.1; -.
MGD; MGI:1990359; Igf2bp3.
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STRAIN=C57BL/6J; TISSUE=EMBRYO;
MEDLINE=21085660; PubMed=11217851;
                                                                                                                                             NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Hayashizaki Y.;
"Functional annotation of a full-length mouse cDNA collection.";
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kawai
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Mammalia; Eutheria; Rodentia;
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IGF2BP3 OR 2610101N11RIK.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Similarity 27; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            IPR000504;
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100.0%;
., Peng X.X., Tan E.M.; protein with RNA-binding motifs
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Fukunishi Y., Konno H., Ad
                                                                                                                                                                                                                                                                                                        Last sequence update)
Last annotation updat
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Pred. No.
                                                                                                                                                                    Craniata; Vertebrata; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                     PRT;
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Sciurognathi; Muridae; Murinae; Mus
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                                                                                                                                                                    Hominidae;
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  an
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Fukuda S.,
manaka I.,
Saito R.,
autoantigen
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RESULT 11
Q9MTM6
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Best Local Similarity
Matches 8; Conserv
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Best Local
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NCBI_TaxID=2320; [1]
                   Methanopyrus
                              Methanopyrus kandleri.
Archaea; Euryarchaeota;
                                                              Transcription elongation
                                                                         01-JUN-2002 (TrEMBLrel. 01-JUN-2002 (TrEMBLrel.
                                                                                                                                                                                                                                                                                                                Chiu W.L., Sears B.; "Complete nucleotide sequence of the Oenothera elata plastid
                                                                                                01-JUN-2002
                                                                                                                      Q8TXJ1
                                                                                                                                                                                                                                                                Chloroplast; Hypothetical protein SEQUENCE 84 AA; 9674 MW; D37B
                                                                                                                                                                                                                                                                                                                                                                                                  Spermatophyta; Magnoliophyta; eudicotyledons; eurosids II; Myrtales; Onagraceae; Oenothera. NCBI_TaxID=85636;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                01-OCT-2000 (TrEMBLrel. 15, C
01-OCT-2000 (TrEMBLrel. 15, I
01-MAR-2002 (TrEMBLrel. 20, I
Hypothetical 9.7 kDa protein.
                                                      NUSA_1 OR MK0682
                                                                                                                                                                                                                                                                                       Mol. Gen. Genet. 263:581-585(2000). EMBL; AJ271079; CAB67150.1; -.
                                                                                                                                                                                                                                                                                                            Euoenothera plastomes.
                                                                                                                                                                                                                                                                                                                                                                                                                                  Eukaryota; Viridiplantae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Oenothera hookeri (Hooker's evening primrose).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                Chloroplast.
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InterPro; IPR004088; KH_type_1.
InterPro; IPR000504; RNA_rec_mot
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           in human hepatocellular carcinoma.";
J. Exp. Med. 189:1101-1110(1999).
                                                                                                                                                                                                358 MNLQAHLI 365
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EMBL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              431 RMVIITGPPEAQFKAQGRI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   452 RMVIITGPPEAQFKAQGRI 470
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nes 19; Conserv
                                                                                                                                                                          1 MNLQAHLI
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556 AA; 61842 MW;
                                                                                                (TrEMBLrel.
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                                                                                                                                                                                                                      Conservative
                                                                                                                      PRELIMINARY;
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Conservative 0;
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                              Methanopyri; Methanopyrales;
                                                              21, Last sequence up
21, Last annotation
factor Nusa.
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                                                                                                                                                                                                                                                                                                                                                                                                                     Streptophyta; Embryophyta; Tracheo; yta; eudicotyledons; core eudicots;
                                                                                                                                                                                                                      0,
                                                                                                Created)
                                                                                                                                                                                                                                 Score 8;
Pred. No
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Pred. No.
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                                                                                                                     142
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3e-11;
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                                                      097KZ6;
01-CCT-2001 (TrEMBLrel. 18, C
01-CCT-2001 (TrEMBLrel. 18, L
01-JUN-2002 (TrEMBLrel. 21, L
Glycerol uptake facilitator p
CACO770
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O9BIJO; O1-JUN-2001 (TrEMBLrel. 17, Created)
01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
Putative RNA-binding protein (Fragment).
Patella vulgata (Common limpet).
Eukaryota; Metazoa; Mollusca; Gastropoda; Archaeogastropoda;
Patelloidea; Patellidae; Patella.
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STRAINAV19 / DSM 6324 / JCM 9639;
MEDLINE-21927647; PubMed-11930014;
Slesarev A.I., Mezhevaya K.V., Makarova K.S., Polushin N.N.,
Slesarev A.I., Mezhevaya K.V., Makarova G.I., Aravind L.,
Shcherbinina O.V., Shakhova V.V., Belova G.I., Aravind L.,
Natale D.A., Rogozin I.B., Tatusov R.L., Wolf Y.I., Stetter K.O.,
Malykh A.G., Koonin E.V., Kozyavkin S.A.,
The complete genome of hyperthermophile Methanopyrus kandleri AV19
and monophyly of archaeal methanogens.";
proc. Natl. Acad. Sci. U.S.A. 99:4644-4649(2002).
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SEQUENCE
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EMBL; AF361436; AAK32728.1;
InterPro; IPR0040952; Egyshell.
InterPro; IPR004088; KH_dom.
InterPro; IPR004088; KH_dom.
Pfam; PF00013; KH-domain; 1.
Clostridium acetobutylicum.
Bacteria; Firmicutes; Bacillus/Clostridium group; Clostridia;
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SMART; SM00322; KH;
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Klerkx A.H.E.M., de Boer E., van Loon A.E.;

"Spatio-temporal expression of a gene encoding a putative RNA-binding protein during the early larval development of the mollusc Patella vulgata.";
                                                                                                                                                                                                                                  Q97KZ6
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142 AA; 15909 MW; BF4FEFC4E03B2677 CRC64;
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RP STRAIN-ATCC 824 / DSM 792 / VKM B-1787;

RX MEDLINE-21359325; PubMed-11466286;

RX Noelling J., Breton G., Omelchenko M.V., Makarova K.S., Zeng Q.,

RA Noelling J., Breton G., Omelchenko M.V., Molf Y.I.,

RA Gibson R., Lee H.M., Dubois J., Qiu D., Hitti J., Wolf Y.I.,

RA Bennett G.N., Koonin EV., Smith D.R.,

RA Bennett G.N., Koonin EV., Smith D.R.,

RT Genome sequence and comparative analysis of the solvent-producing

RT Dacterium Clostridium acetobutylicum.";

J. Bacteriol. 183:4823-4838(2001).

J. Bacteriol. 183:4823-4838(2001).

REMEL, AE007592; AAK78746.1; -

DR PRENTS; PRO0425; MIP_family.

DR PRENTS; PRO0425; MIP_family.

DR PROSITE; PRO0230; MIP; 1

PROSITE; PRO0231; MINTRINSICP.

DR PROSITE; PS00221; MIP; UNKNOWN_1.

KW Complete Proteome.

SO SEQUENCE 242 AA; 25807 MW; 26E7A62A7E7377AF CRC64;
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MEDLINB=99403061; PubMed=10473572;

MORIMONES, Tateishi N., Inuyama M., Taura F., Tanaka H., Shoyama Y.;

MORIMONES, Tateishi N., Inuyama M., Taura F., Tanaka H., Shoyama Y.;

MORIMONES, Tateishi N., Inuyama M., Taura F., Tanaka H., Shoyama Y.;

"Identification and molecular characterization of novel peroxidase
with structural protein-like properties.";

J. Biol. Chem. 274:26192-26198(1999).

BMBL; AB024439; BAA77389.1; -.

HSSP; P22195; ISCH.

HSSP; P22195; ISCH.

Interpro; IPR002016; Peroxidase.
Pfam; PF00141; Peroxidase.
Pfam; PF00141; Peroxidase.
Pfam; PF00145; PEROXIDASE.1; 1.

PROSITE; PS00435; PEROXIDASE.2; 1.

PROSITE; PS00435; PEROXIDASE.2; 1.

PROSITE; PS00435; PEROXIDASE.2; 1.
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Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Asteridae; euasterids I; Lamiales; Lamiaceae; Scutellaria.

NCBI_TaxID=65409;
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01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
Peroxidase 3.
                                                                     366 PGLNLNAL 373
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165 PGLNLNAL 172
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2    /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*

3    /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*

4    /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*

5    /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*

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US-08-021-608D-2
US-08-021-608D-2
US-09-261-855-22
US-09-261-855-24
US-08-021-608D-10
US-08-726-160-10
PCT-US94-01782-10
US-08-726-160-8
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Sequence 176, App
Sequence 348, App
Sequence 2, Appli
Sequence 2, Appli
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Sequence 22, Appli
Sequence 21, Appli
Sequence 10, Appl
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/09/643,5
CURRENT FILING DATE: 2000-8-21
NUMBER OF SEQ ID NOS: 369
SOFTWARE: FastSEQ for Windows Version
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TYPE: PRT
ORGANISM: Homo sapiens
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                                                                                          RQGSPGSVSKQKPCDLPLRLLVPTQFVGAIIGKEGATIRNITKQTQSKIDVHRKENAGAA 240
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                                                                  RQGSPGSVSKQKPCDLPLRLLVPTQFVGAIIGKEGATIRNITKQTQSKIDVHRKENAGAA
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Fan, Liqun
Kalos, Michael D.
Bangur, Chaitanya S:
Hosken, Nancy
Fanger, Gary R.
Li, Samuel X.
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Conservative 0;
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Pred. No. 1.7e-255;
Mismatches 0;
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Result No.

Score

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APPLICANT: Wang, Tongtong
APPLICANT: Ralos, Michael D.
APPLICANT: Ralos, Michael D.
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Hosken, Nancy
APPLICANT: Hosken, Nancy
APPLICANT: Wang, Aijun
APPLICANT: Wang, Aijun
APPLICANT: Wang, Aijun
APPLICANT: McMeill, Patricia D.
APPLICANT: McMeill, Patricia D.
APPLICANT: MCMeill, Patricia D.
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455Cll
CURRENT APPLICATION NUMBER: US/09/643,597
CURRENT APPLICATION NUMBER: US/09-643,597
UNDBER OF SEQ ID NOS: 369
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 348
LENGTH: 579
ILENGTH: 
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US-09-643-597-348
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Patent No
GENERAL I
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Best Local Similarity 99.7%;
Matches 577; Conservative
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                        VVNVTYSSKDQARQALDKLNGFQLENFTLKVAYIPDEMAAQQNPLQQPRGRRGLGQRGSS 180
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                                                                                                               VVNVTYSSKDQARQALDKLNGFQLENFTLKVAYIPDETAAQQNPLQQPRGRRGLGQRGSS
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Pred. No. 2.4e-254;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                            Length 579;
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US-09-261-855-2
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Patent NO. 6255055
GENERAL INFORMATION:
APPLICANT: ROSS, Jeffrey
APPLICANT: ROSS, Jeffrey
TITLE OF INVENTION: (CRD.PB) AND ITS NUCLEIC ACID SEQUENCE
FILE REFERENCE: 960296.95131
CURRENT APPLICATION UMBER: US/09/261,855A
CURRENT APPLICATION UMBER: US/09/261,855A
CURRENT FILING DATE: 1999-03-03
NUMBER OF SEQ ID NOS: 46
SOFTWARE: Patentin Ver. 2.0
LENGTH: 577
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 74.1%; Score 2190; DB 4; Length 577; Best Local Similarity 74.1%; Pred No. 4.3e-187; Matches 434; Conservative 62; Mismatches 74; Indels 16;
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541 GHEYACQVAQRKIQBILITOVKQHQQQKALQSGPPQSRRK 579
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SMNLQAHLIPGLNLNALGLEPPTSGMPPPTSGPPSAMT--PPYPQFEQS-ETETVHQFIP
                                           RILKKVEQDTETKITISSLQDLTLYNPERTITVKGAIENCCRAEQEIMKKVREAYENDVA
                                                                   RNLKKIEQDTDTKITISPLQELTLYNPERTITVKGNVETCAKAEEEIMKKIRESYENDIA 356
                                                                                                                                  AGAAEKSITILSTPEGTSAACKSILEIKHKEAQDIKETESIPIKILAHNUPYGRLIGKEG
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RESULT 4
US-08-021-608D-2
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             Query Match 8.2%; Score 241; DB 1; Length 644; Best Local Similarity 22.3%; Pred. No. 5.6e-13; Matches 100; Conservative 75; Mismatches 154; Indels 120;
                                                                                                                                                                                                                                                                                                                                                    TELEPHONE: (212) 758-480
TELEPAX: (212) 751-6849
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER:
PILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: WILLIAM S. FELLER
REGISTRATION NUMBER: 26,7:
                                                                                                             FEATURE:
OTHER INFORMATION:
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/0
FILING DATE: 22-FEB-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                 ORIGINAL SOURCE:
                                                                                                                                                                                                                                MOLECULE TYPE: Pe
                                                                                                                                                                                                                                                                                                                                                                                                            TELECOMMUNICATION INFORMATION: TELEPHONE: (212) 758-4800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION: NOVEL FUSE BINDING
TITLE OF INVENTION: PROTEIN AND CDNA THEREFOR
NUMBER OF SEQUENCES: 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
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                                                                                                                                                                           CELL LINE:
                                                                                                                                                                                               ORGANISM:
                                                                                                                                                                                                                                                                           TOPOLOGY:
                                                                                                                                                                                                                                                                                        TYPE: Amino Acid
STRANDEDNESS: Sir
                                                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY:
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                                                                                                                                                                                                                                                                                                                                  LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE:
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ROBERT C., AND AVIGAN, MARK I.
ROYEL FUSE BINDING
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HL60
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                                                                                                               Amino Acid 149 (Xaa) is Met or Ile
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                 Gaps
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US-08-726-160-2
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                                                                                    APPLICATION NUMBER: 08/021,60
FILING DATE: 22-FEB-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: WILLIAM S. FEILER
REGISTRATION NUMBER: 26,728
REFERENCE/DOCKET NUMBER: 2026
TELECOMMUNICATION INFORMATION:
                                   TELEFAX: (212) 751-6849
INFORMATION FOR SEQ ID NO: 2:
                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: WORDDERFECT 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                  APPLICATION NUMBER: FILING DATE: 04-OCT-CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: LEVENS, DAVID L., DUNCAN,
APPLICANT: ROBERT C., AND AVIGAN, MARK I.
TITLE OF INVENTION: NOVEL FUSE BINDING
TITLE OF INVENTION: PROTEIN AND CDNA THEREFOR
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSE: MORGAN & FINNEGAN
SEQUENCE CHARACTERISTICS:
LENGTH: 644
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY: U
ZIP: 10154
                                                                           TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: NEW YORK
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04-OCT-1996
ON: 435
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                                                                           758-4800
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; FEATURE:
; OTHER INFORMATION:
; OTHER INFORMATION:
US-08-726-160-2
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                                                                                                                                                                                                                                                                             Sequence 2, Application PC/TUS9401782
GENERAL INFORMATION: THE GOVERNMENT OF THE UNITED STATES
APPLICANT: THE GOVERNMENT OF THE SECRETARY, DEPARTMENT OF
APPLICANT: AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF
APPLICANT: HEALTH AND HUMAN SERVICES
TITLE OF INVENTION: NOVEL FUSE BINDING
TITLE OF INVENTION: PROTEIN AND CONA THEREFOR
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSES.
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Best Local Similarity
Matches 100; Conserv
COMPUTER READABLE FORM:
MEDIUM TYPE: PLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
COMPATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPREFECT 5.1
CURRENT APPLICATION DATA:
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MOLECULE TYPE: Pe
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                                                                                                                                                                                       ADDRESSEE: MORGAN & FINNEGAN
STREET: 345 PARK AVENUE
CITY: NEW YORK
STATE: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    63 QKRPLEDGDQPDAKKVAPQNDSFGTQLPPMHQQQSRSVMTEEYKVPDGMVGFIIGRGGEQ 122
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CELL LINE: HL60
                                                                                                                                               COUNTRY: U
ZIP: 10154
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STRANDEDNESS: Si
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                                                                                                                                                                      USA
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llarity 22.3%; Pred. No. 5.6e-13;
Conservative 75; Mismatches 154; Indels 120;
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches 100;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: (212) 751-684
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORIGINAL SOURCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REGISTRATION NUMBER: 26,728
REFERENCE/DOCKET NUMBER: 70
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: PHYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 22-FEB-1993
ATTORNEY/AGENT INFORMATION:
NAME: WILLIAM S. FEILER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
  530 DENDQV-VVKITGH----FYACQVAQRKI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             161 QQNPLQ---QPRGRRGLGQRGSSRQGSPGSVSKQKPCDLPLRLLVPTQFVGAIIGKEGAT 217
                                                                    372 PPGGLQEFNFI------VPTGKTGLIIGKGGETIKSISQQSGARIELQRNPPP
                                                                                                                                                                                                              443 PAEAPDAKVRMVIITGPPE-AQFKAQ-------GRIYGK-----
                                                                                                                                                                                                                                                                                                 383 PPPTSGPPSAMTPPYPQFEQSETETVHQFIPALSVGAIIGKQGQHIKQLSRFAGASIKIA 442
                                                                                                                                                                                                                                                                                                                                                    236 RITGDPYKVQQAKEMVLELIRDQGGFREVRNEYGSR-----IGG-----NEGI 278
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         123 ISRIQQESGCKIQI-APDSGGLPERSCXLTGTPESVQSAKRLLDQIVEKGRPAPGFHHGD 181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    218 IRNITKOTOSKIDVHRKENAGAAEKSITILSTPEGTSAACKSILEIMHKEAQDIKFTE-- 275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TISSUE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                  328 TVKGNVETCAKAEEEIMKKIRE-----SYENDIASMNLQAHLIPGLNLNALGLFPPTSGM 382
                                                                                                                                                                                                                                                                                                                                                                                                                                             182 GPGNAVQEIMIPASKAGLVIGKGGETIKQLQERAGVKMVM--IQD----GPQNTGADKPL 235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           276 ---EIPLKILAHNNEVGRLIGKEGRNLKKIEQDTDTKITISPLQELTLYNPERT-----I 327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY:
LOCATION METHOD:
IDENTIFICATION METHOD:
OTHER INFORMATION: Amino Acid 149 (Xaa) is Met or Ile
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               63 QKRPLEDGDQPDAKKVAPQNDSFGTQLPPMHQQQSRSVMTEEYKVPDGMVGFIIGRGGEQ 122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INDIVIDUAL ISOLATE:
DEVELOPMENTAL STAGE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: PCT/US94/01782
FILING DATE: 22-FEB-1994
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              : X SOTOROL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: Amino Acid
STRANDEDNESS: Sir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANELLE:
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                                                                                                                                               ----IKEENFVSPKEEVKLEAHIRVPSFAAGRVIGKGGKTVNELQNLSSAEVVVPRDQTP 529
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8.2%; Score 241; DB 5; Length 644; Similarity 22.3%; Pred, No. 5.6e-13; Conservative 75; Mismatches 154; Indels 120;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human
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                                                                                                                                                                                                                                                            Peptide/Protein
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; TYPE: PRT; ORGANISM: Homo sapiens US-09-261-855-22
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US-09-261-855-22
                                                                                                                                                                                                          RESULT 9
US-08-021-608D-10
                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-261-855-24
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US-09-261-855-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 24, Application US/09261855A
PATENT NO. 625055
GENERAL INFORMATION:
APPLICANT: ROSS, Jeffrey
APPLICANT: ROSS, Jeffrey
TITLE OF INVENTION: THE C-MYC CODING REGION DETERMINANT-BINDING PROTEIN
TITLE OF INVENTION: (CRD-BP) AND ITS NUCLEIC ACID SEQUENCE
FILE REFERENCE: 960296,95131
CURRENT APPLICATION NUMBER: 105/09/261,855A
CURRENT FILING DATE: 1999-03-03
NUMBER OF SEQ ID NOS: 46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/09/261,855A
CURRENT FILING DATE: 1999-03-03
NUMBER OF SEQ ID NOS: 46
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 22
LENGTH: 49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Patent No. 6255055
GENERAL INFORMATION:
APPLICANT: ROSS, Jeffrey
TITLE OF INVENTION: (THE C-MYC CODING REGION DETERMINANT-BINDING PROTEIN
TITLE OF INVENTION: (CRD-BP) AND ITS NUCLEIC ACID SEQUENCE
FILE REFERENCE: 960296.95131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: PatentIn Ver. 2.0 SEQ ID NO 24
                                                                                                                                                                          Sequence In Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local
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Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 4:
TYPE: PRT
                                                                   APPLICANT: LEVENS, DAVID L., DUNCAN, APPLICANT: ROBERT C., AND AVIGAN, MARK I. TITLE OF INVENTION: NOVEL FUSE BINDING TITLE OF INVENTION: PROTEIN AND CDNA THEREFOR NUMBER OF SEQUENCES: 24
                                                 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                 492 IRVPSFAAGRVIGKGKTVNELQNLSSAEVVVPRDQTPDENDQVVVKI 539
1 IRVPSFAAGRVIGKGKTVNELQNLSSAEVVVPRDQTPDENDQVVVKI 48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET:
                                                                                                                                                                                                                                                                                                                                                       Local Similarity hes 48; Conserv
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Local Similarity 98.0%;
tes 48; Conservative
                                   ADDRESSEE:
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                                                                                                                                                                            10, Application US/08021608D

5. 5580760
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                                                                                                                                                          INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Application US/09261855A
E: MORGAN & FINNEGAN 345 PARK AVENUE EW YORK
                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                       8.0%; Score 237; DB 4;
100.0%; Pred. No. 2.3e-14;
                                                                                                                                                                                                                                                                                                                                                         0;
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Pred. No. 2e-14;
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                                                                                                                                                                                                                                                                                                                                                         0
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; OTHER INFORMATION:
; OTHER INFORMATION:
US-08-021-608D-10
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INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENUTH: 643
Type:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches 100;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
ETITION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HYPOTHETICAL: NO ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: WILLIAM S. FEILER
REGISTION NUMBER: 26,728
REFERENCE, POCKET NUMBER: 20,
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOL TYPE: PE
530 DENDQV-VVKITGH----FYACQVAQRKI
                                                                                       474
                                                                                                                         312
                                                                                                                                                          443 PAEAPDAKVRMVIITGPPE-AQFKAQ-----
                                                                                                                                                                                              278
                                                                                                                                                                                                                            383 PPPTSGPPSAMTPPYPQFEQSETETVHQFIPALSVGAIIGKQGQHIKQLSRFAGASIKIA 442
                                                                                                                                                                                                                                                                  235
                                                                                                                                                                                                                                                                                                     328
                                                                                                                                                                                                                                                                                                                                         181 GPGNAVQEIMIPASKAGLVIGKGGETIKQLQERAGVKMVM--IQD----GPQNTGADKPL 234
                                                                                                                                                                                                                                                                                                                                                                                                             122
                                                                                                                                                                                                                                                                                                                                                                                                                                              218 IRNITKQTQSKIDVHRKENAGAAEKSITILSTPEGTSAACKSILEIMHKEAQDIKFTE-- 275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      161 QQNPLQ---QPRGRRGLGQRGSSRQGSPGSVSKQKPCDLPLRLLVPTQFVGAIIGKEGAT 217
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PCOPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Human
CELL LINE: HL60
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                63 QKRPLEDGDQPDAKKVAPQNDSFGTQLP-PMHQQQRSVMTEEYKVPDGMVGFIIGRGGEQ 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: Amino Acid
STRANDEDNESS: Si
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
                                                 PPGGLQEFNFI-------VPTGKTGLIIGKGGETIKSISQQSGARIELQRNPPP
                                                                                     ----IKEENFVSPKEEVKLEAHIRVPSFAAGRVIGKGGKTVNELQNLSSAEVVVPRDQTP 529
                                                                                                                         PDDGTTPE-RIAQITGPPDRCQHAAEIITDLLRSVQAGNPGGPGPGGRGRGRGQGNWNMG
                                                                                                                                                                                                                                                                    RITGDPYKVQQAKEMVLELIRDQGGFREVRNEYGSR-----IGG---
                                                                                                                                                                                                                                                                                                 TVKGNVETCAKAEEEIMKKIRE-----SYENDIASMNLQAHLIPGLNLNALGLFPPTSGM 382
                                                                                                                                                                                                                                                                                                                                                                           ---EIPLKILAHNNFVGRLIGKEGRNLKKIEQDTDTKITISPLQELTLYNPERT-----I
                                                                                                                                                                                                                                                                                                                                                                                                             ISRIQQESGCKIQI-APDSGGLPERSCXLTGTPESVQSAKRLLDQIVEKGRPAPGFHHGD 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Unknown
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22-FEB-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Peptide/Protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8.0%;
22.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Amino Acid 148 (Xaa) is Met or
                                                                                                                                                                                                ------IPRFAVGIVIGRNGEMIKKIQNDAGVRIQFK 311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      77; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2026-4063
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 236.5;
Pred. No. 1.4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1.4e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          151;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 643;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels 121;
                                                                                                                                                            -GRIYGK------
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US-08-726-160-10
                                                                                                                                                                                                                                                                                                                                                                                    ; FEATURE:
; OTHER INFORMATION: Amino Acid 148 (Xaa) is Met or Ile
; OTHER INFORMATION: Amino Acid 148 (Xaa) is Met or Ile
US-08-726-160-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/021,608
FILING DATE: 22-FEB-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: WILLIAM S. FEILER
REGISTRATION NUMBER: 26,728
REFERENCE/DOCKET NUMBER: 2026-40
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEPHONE: (212) 758-4800
TELEPHONE: (212) 758-4800
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                            Query Match 8.0%; Score 236.5; DB 1; Length 643; Best Local Similarity 22.3%; Pred. No. 1.4e-12; Matches 100; Conservative 77; Mismatches 151; Indels 121; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        sequence 10
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GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC CONPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WOKDPERFECT 5.1
CURRENT APPLICATION DATA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: PO
HYPOTHETICAL: NO
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDIUM TYPE: FLOPPY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: LEVENS, DAVID L., DUNCAN,
APPLICANT: ROBERT C., AND AVIGAN, MARK I.
TITLE OF INVENTION: NOVEL FUSE BINDING
TITLE OF INVENTION: PROTEIN AND CDNA THEREFOR
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENCTH: 643
TYPE: Amino Acid
TYPE: Amino Acid
STRANDEDNESS: Singl
TOPOLOGY: Unknown
Papti
                                                                                                                                                                                                                                                       161 QONPLQ---OPRGRRGLGQRGSSRQGSPGSVSKQKPCDLPLRLLVPTQFVGAIIGKEGAT 217
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                                     181 GPGNAVQEIMIPASKAGLVIGKGGETIKQLQERAGVKMVM--IQD----GPQNTGADKPL 234
                                                                                                                          122 ISRIQQESGCKIQI-APDSGGLPERSCXLTGTPESVQSAKRLLDQIVEKGRPAPGFHHGD 180
                                                                                                                                                                     218 IRNITKOTOSKIDVHRKENAGAAEKSITILSTPEGTSAACKSILEIMHKEAQDIKFTE-- 275
                                                                                                                                                                                                               63 QKRPLEDGDQPDAKKVAPQNDSFGTQLP-PMHQQQRSVMTEEYKVPDGMVGFIIGRGGEQ 121
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CITY: NEW YORK
STATE: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Human
CELL LINE: HL60
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                                                                               ---EIPLKILAHNNFVGRLIGKEGRNLKKIEQDTDTKITISPLQELTLYNPERT-----I 327
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5734016
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Sequence 10, Application PC/TUS9401782

GENERAL INFORMATION: OF THE UNITED STATES
APPLICANT: AS REPRESENTED BY THE SECRETARY, DEPARTMENT
APPLICANT: HEALTH AND HUMAN SERVICES
TITLE OF INVENTION: MOYEL FUSE BINDING
TITLE OF INVENTION: PROTEIN AND CDNA THEREFOR
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TELEFAX: (212) 751-6849
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 643
TYPE: Amino Acid
STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION:
PRIOR APPLICATION DATA:
APPLICATION UNBER: U.S. 08/021,608
PILLING DATE: 22-FEB-1993
ATTORNEY/AGENT INFORMATION:
NAME: WILLIAM S. FEILER
REGISTRATION NUMBER: 26,728
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: WORDPERFECT
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PC
FILING DATE: 22-FEB-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS: MORGAN & FINNEGAN
STREET: 345 PARK AVENUE
CITY: NEW YORK
STRETE: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: 26,728
TELECOMMUNICATION INFORMATION:
TELEPHONE 7217 NORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: FLORPY DISK
COMPUTER: IIM PC COMPATIBLE
OPERATING SYSTEM: PC DOS/MS-DOS
SOCTWARE: WORDPERFECT 5-1
                                                                                                                                                                  MOLECULE TYPE: PE
HYPOTHETICAL: NO
ORIGINAL SOURCE:
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                                       DEVELOPMENTAL STAGE HAPLOTYPE: TISSUE TYPE:
                                                                                                                                                                                                                                     TOPOLOGY:
                                                                                                       INDIVIDUAL ISOLATE
                                                                                                                                               ORGANISM: Human
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HL60
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22-FEB-1994
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RESULT 12
US-09-261-855-18
US-09-261-855-18
Sequence 18, Application US/09261855A
Patent NO. 6255055
Patent NO. 6255055
Fatent NO. 6255055
FATTLE OF INVENTION: THE C-MYC CODING REGION DETERMINANT-BINDING PROTEIN TITLE OF INVENTION: (CRD-BP) AND ITS NUCLEIC ACID SEQUENCE
FILE REFERENCE: 960296-95131
CURRENT APPLICATION NUMBER: US/09/261,855A
CURRENT FLING DATE: 1999-03-03
NUMBER OF SEQ ID NOS: 46
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 18
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                                                                                         Query Match 7.8
Best Local Similarity 91.8
Matches 45; Conservative
                                                                                                                                                                                                                                   LENGTH: 49
TYPE: PRT
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NAME/KEY:
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418 NADPNMKLFTIRGTPQQIDYARQLIEEKI 446
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 235 RITGDPYKVQQAKEMVLELIRDQGGFREVRNEYGSR-----IGG-----NEGI 277
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IDENTIFICATION METHOD:
OTHER INFORMATION:
Amino Acid 148 (Xaa) is Met or Ile
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DENDQV-VVKITGH----FYACQVAQRKI 553
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                                                                                         7.8%; Score 232; DB 4; Length 49; 91.8%; Pred. No. 6.7e-14; ative 3; Mismatches 1; Indels
                                                                                              0;
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SESQUENCE 8, APPLICATION US/08021608D PATENT NO. 5580760 GENERAL INFORMATION: APPLICANT: LEVENS, DAVID L., DUNCAN APPLICANT: REBERT C., AND AVIGAN, M. APPLICANT: REBERT C., AND AVIGAN, M. TITLE OF INVENTION: NOVEL FUSE BIND TITLE OF INVENTION: PROTEIN AND CDM. NUMBER OF SEQUENCES: 24 COMPUTER: S45 PARK AVENUE STREET: 345 PARK AVENUE COMPUTER: USA VORK COUNTRY: USA ZITE: NEW YORK COUNTRY: USA ZITE: NEW YORK COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOSTWARE: NEW YORK COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOSTWARE: NEW YORK COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOSTWARE: NEW YORK COMPUTER: USA ZITE: NEW YORK COMPUTER: OF SECUENTION: 435 APPLICATION NUMBER: US/08/021,608 FILLING DATE: 2-FEB-193 CLASSIFICATION: 435 APPLICATION NUMBER: 26,728 REFERENCE/DOCKET NUMBER: 2026-406 FILLING DATE: (212) 758-4800 TELEPHONE: (212) 758-4800 TELEPHONE: (212) 758-4800 TELEPHONE: (212) 758-649 TELEPHONE: (212) 758-649 TELEPHONE: (212) 758-649 INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 TELEPAX: (212) 758-649 INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: ORGANISM: Human CELL LINE: HL60 -08-021-608D-8 SOURCE CHARACTERISTICS: SINGLE ORGANISM: Human CELL LINE: HL60 -08-021-608D-8 SEQUENCE CHARACTERISTICS: SINGLE ORGANISM: HUMAN DOLLOUTE TYPE: Peptide/Protein MOLECULE TYPE:	-08-021eatent N -eatent		427 HIKQLSREAGASIKIAPAEAPDAKVRMVIITGPPE-AQFKAQ	Qy
SESQUENCE 8, APPLICATION US/08021608D PATENT NO. 5580760 GENERAL INFORMATION: APPLICANT: CLEVENS, DAVID L., DUNCAN APPLICANT: COMERT C. AND AVIGAN, M. TITLE OF INVENTION: PROTEIN AND CDN. UNUMBER OF SEQUENCES: 24 COMPUTER: INVENTION: PROTEIN AND CDN. NUMBER OF SEQUENCESS: ADDRESSEE: MEW YORK COUNTRY: USA ZIP: 10154 COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY DISK COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY DISK COMPUTER READABLE FORM: MEDIUM TYPE: PC-DOS/MS-DOS OFWWARE: NEW YORK COUNTRY: USA ZIP: 10154 COMPUTER READABLE FORM: MEDIUM TYPE: NEW YORK COUNTRY: USA ZIP: 10154 COMPUTER READABLE FORM: MEDIUM TYPE: PC-DOS/MS-DOS OFFWARE: NEW YORK COUNTRY: USA ZIP: 10154 COMPUTER READABLE FORM: MEDIUM TYPE: PC-DOS/MS-DOS OFFWARE: NEW YORK COUNTRY: USA ZIP: 10154 COMPUTER READABLE FORM: MODERATION: 435 APPLICATION NUMBER: US/08/021,608 FILING DATE: 22-FEB-193 CLASSIFICATION NUMBER: 26,728 REFERENCE/DOCKET NUMBER: 20,728 REFERENCE/DOC	-08-021-608D-8 Sequence 8, Application US/08021608D Patent No. 5580760 GENERAL INFORMATION: APPLICANT: LEVENS, DAVID L., DUNCAN APPLICANT: LEVENS, DAVID L., DUNCAN APPLICANT: ROBERT C., AND AVIGAN, M APPLICANT: ROBERT C., NOVEL FUSE BIND TITLE OF INVENTION: NOVEL FUSE BIND TITLE OF INVENTION: PROTEIN AND CDN. NUMBER OF SEQUENCES: 24 COMMUTER: 345 PARK AVENUE COMMUTER: SEM YORK COUNTRY: USA ZIP: 10154 COMMUTER: IBM PC COMPATIBLE COMMUTERION NUMBER: US/08/021,608 FILLING DATE: 2FEB-1993 CLASSIFICATION UNMBER: 26,728 REFERENCE/DOCKET NUMBER: 26,728 REFERENCE/DOCKET NUMBER: 26,728 REFERENCE/DOCKET NUMBER: 2026-406 TELEPAX: (212) 751-6849 INFORMATION POR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 TYPE: Amino Acid STRANDEDNESS: SINGle MOLECULE TYPE: Peptide/Protein MOLECULE TYPE: MISM MOLECULE TYPE: MISM MOLECULE TYPE: MISM MOLECULE TYPE: Peptide/Protein MOLECULE	- IPREAVGIVIGE	58	8 8
SESQUENCE 8, APPLICATION US/08021608D PATENT NO. 5580760 GENERAL INFORMATION: APPLICANT: CLEVENS, DAVID L., DUNCAN APPLICANT: CLEVENS, DAVID L., DUNCAN APPLICANT: ROBERT C., AND AVIGAN, M. TITLE OF INVENTION: PROTEIN AND CDN. TITLE OF INVENTION: PROTEIN AND CDN. NUMBER OF SEQUENCES: 24 COMPUTER FREADABLE FORM: COMPUTER READABLE FORM: MEDIUM TYPE: NEW YORK COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOSTWARE: WEM YORK COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOSTWARE: WEM YORK COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOSTWARE: WEM YORK COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOSTWARE: WEM YORK COMPUTER: SAPPLICATION NUMBER: US/08/021,608 FILING DATE: FILLING DATE: FILLING DATE: FILLING DATE: CLASSIFICATION NUMBER: 26,728 REFIRENCE/DOCKET NUMBER: 20,728 REFIRENCE/DOCKET NUMBER: 20,728 REFIRENCE/DOCKET NUMBER: 20,728 REGISTRATION NUMBER: 20,728 REFIRENCE/DOCKET NUMBER: 20,728 REGISTRATION NUMBER: 20,728 REFERENCE/DOCKET NUMBER: 20,728 REGISTRATION: A 35 RIOMANICATION INFORMATION: REFERENCE/DOCKET NUMBER: 20,728 REGISTRATION: A 55 REG	-08-021-608D-8 Sequence 8, Application US/08021608D Patent No. 5580760 GENERAL INFORMATION: APPLICANT: LEVENS, DAVID L., DUNCAN APPLICANT: ROBERT C., AND AVIGAN, M APPLICANT: ROBERT C., ONVEL FUSE BIND TITLE OF INVENTION: NOVEL FUSE COMMUTER: 345 PARK AVENUE COMPUTER: 345 PARK AVENUE COMPUTER: BAN PC COMPATIBLE COMPUTER: IBM PC COMPATIBLE COMPUTER: IMP PC COMPATIBLE COMPUTER: IMP PC COMPATIBLE COMPUTER: IMP PC COMPATIBLE COMPUTER: IMPORMATION ATA: APPLICATION UNMBER: 20.728 FILLING DATE: 2.9-FEB: 1993 CLASSIFICATION: 435 ANTORNAY!ON POM S. FEILER: 26,728 REFERENCE/DOCKET NUMBER: 20.728 REFERENCE/DOCKET	VRNEYGSR		9
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SEGUENCE 8, APPLICATION US/08021608D PATENT NO. 5580760 GENERAL INFORMATION: APPLICANT: CLEVENS, DAVID L., DUNCAN APPLICANT: CLEVENS, DAVID L., DUNCAN APPLICANT: COERT C., AND AVIGAN, M. TITLE OF INVENTION: PROTEIN AND CDM. NUMBER OF SEQUENCES: 24 CORRESPONDENCE ADDRESS: ADDRESSEE: NEW YORK COUNTRY: USA ZIP: 10154 COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY DISK COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: WORDERFECT 5.1 CURRENT APPLICATION NUMBER: US/08/021,608 FILLING DATE: 22-FEB1193 CLASSIFICATION UNMBER: 25/08/021,608 FILLING DATE: 22-FEB193 CLASSIFICATION UNMBER: 26/28 REFERENCE/DOCKET NUMBER: 20/26-406 REFERENCE/DOCKET NUMBER: 20/26-406 TELEPAX: (212) 751-6849 INFORMATION FOR SED ID NO: 8 SEQUENCE CHARACTERISTICS: LENGTH: 590 TYPE: Amino Acid STRANDEDESS: Single TOPOLOGY: Unknown MOLECULE TYPE: Peptide/Protein MYPOTABL SOURCE: ORGANISM: Human CELL LINE: HL60 -08-021-6080-8 OUELY MATCH 20 VPTOFUGALICKEGATIRNITKOTOSKIDVH MATCHES 91; CONSETVATIVE 69; Mism MATCHES 91; VPDGMYOFITGRGEQUISKIDVH 11 1 1 1 1 1 1 1 1 1	-08-021-608D-8 Sequence 8, Application US/08021608D Patent No. 5580760 GENERAL INFORMATION: APPLICANT: LEVENS, DAVID L., DUNCAN APPLICANT: ROBERT C., AND AVIGAN, M TITLE OF INVENTION: NOVEL FUSE BIND TITLE OF INVENTION: PROTEIN AND CDN, NUMBER OF SEQUENCES: 24 COMPUTER: 345 PARK AVENUE COUNTRY: USA ZIP: 101544 COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY DISK COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOFTMARE: WARDPERFECT 5.1 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/021,608 FILLING DATE: 22-FEB-1933 CLASSIFICATION UNMBER: 26,728 APPLICATION UNMBER: 26,728 REGISTRATION NUMBER: 26,728 REFERENCE/DOCKET NUMBER: 26,728 REGISTRATION NUMBER: 26,728 REGISTRATION NUMBER: 26,728 REFERENCE/DOCKET NUMBER: 2026-406 TELEPAX: (212) 751-6849 INFORMATION FOR SEO ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 ITPLE Amino Acid STRANDEDNESS: Single TOPOLOGY: Unknown MOLECULE TYPE: Peptide/Protein HYPOTABLEOUGY: Unknown MOLECULE TYPE: Peptide/Protein HYPOTABLISM: Human CELL LINE: HL60 -08-021-608D-8 SENDERY SIMILATIVE 69; Mism Matches 91; Conservative 69; Mism Matches 91; Conservative 69; Mism Matches 91; CONSERVATIVE 202 VPTGFVGALICKEGATIRNITKOTOSKIDVI 91 VPDGMYGFIGRGEQISRIQGESCCKIQT-	KIEQDTDTKITIS	EIMHKEAQDIKFTE	Ϋ́
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SEQUENCE 8, Application US/08021608D Batent No. 550760 GENERAL INFORMATION: DAVID L., DUNCAN, APPLICANT: LEVENS, DAVID L., DUNCAN, APPLICANT: ROBERT C., AND AVIGAN, MARK I. TITLE OF INVENTION: PROTEIN AND CDNA THEREFOR NUMBER OF SEQUENCES: 24 CORRESPONDENCE ADDRESS: ADDRESSEE: WORGAN & FINNEGAN STREET: 345 PARK AVENUE CITY: NEW YORK COUNTRY: USA ZIF: 10.144 COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-POS/MS-POS SOFTMARE: WORDERFECT 5.1 CUBRENT APPLICATION DATA: APPLICATION NUMBER: US/08/021,608D FILING DATE: 22-FEB-1993 CLASSIFICATION LOATA: APPLICATION NUMBER: US/08/021,608D FILING DATE: 22-FEB-1993 CLASSIFICATION NUMBER: CLASSIFICATION NUMBER: CLASSIFICATION NUMBER: CLASSIFICATION NUMBER: PC-POS/MS-POS/O21,608D FILING DATE: 212-FEB-1993 CLASSIFICATION NUMBER: 26,728 REFERENCE/POCKET NUMBER: 2026-4063 TELEPHONE: (212) 751-6849 INFORMATION FOR SED ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 INFORMATION CAIG STRANDEDNESS: Single TOPOLOGY: Unknown MOLECULE TYPE: Peptide/Protein HYPOTHETICAL: NO ORGANISM: Human CRELL LINE: HL50 ORGANISM: Human CRECL LINE: HL50 ORGANISM: HUMBER: LSCARE COMPTON AND AND AND AND AND AND AND AND AND AN	Sequence 8, Application US/08021608D Sequence 8, Application US/08021608D Patent No. 5580760 GENERAL INFORMATION: APPLICANT: LEVENS, DAVID L., DUNCAN, APPLICANT: LEVENS, DAVID L., DUNCAN, APPLICANT: LEVENS, DAVID L., DUNCAN, APPLICANT: NOBERY C., AND AVIGAN, MARK I. TITLE OF INVENTION: NOVEL FUSE SIDVING TITLE OF SEQUENCES: 24 CORRESPONDENCE ADDRESS: ADDRESSEE: MORGAN & FINNEGAN STREET: 345 PARK AVENUE CITY: NEW YORK COUNTY: USA ZIP: 10154: COUNTY: USA ZI	ILSTPEGTSAACK	02	Σy
SEQUENCE 8, Application US/08021608D PATENT NO. 5580760 GENERAL INFORMATION: APPLICANY: LEVENS, DAVID L., DUNCAN, APPLICANY: ROBERT C., AND AVIGAN, MAR TITLE OF INVENTION: NOVEL FUSE BINDIN TITLE OF INVENTION: NOVEL FUSE BINDIN TITLE OF INVENTION: NOVEL FUSE BINDIN TITLE OF INVENTION: PROTEIN AND CDNA NUMBER OF SEQUENCES: 24 CORRESPONDENCE ADDRESS: ADDRESSEE: MORGAN & FINNEGAN STREET: 345 PARK AVENUE CITY: NEW YORK COUNTRY: USA ZIT: 10154 COMPUTER: IEM PC COMPATIBLE OPERATING SYSTEM: PC-DOS,MS-DOS SOSTWARE: WORDEPERFECT 5.1 CURRENT APPLICATION NUMBER: US/08/021,608D FILING DATE: 22-FEB-1993 CLASSIFICATION: 435 PRIOR APPLICATION DATA: APPLICATION NUMBER: US/08/021,608D FILING DATE: 21-FEB-1993 CLASSIFICATION NUMBER: 26,728 REFERENCE/DOCKET NUMBER: 2025-4063 TELECOMMUNICATION INFORMATION: REFERENCE/FOCKET NUMBER: 2025-4063 TELECOMMUNICATION INFORMATION: TELEPHONE: (212) 751-6649 INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 INFORMATION: UNDOWN ORIGINAL SOURCE: ORGANISM: Human CELL LINE: HL60 -08-021-608D-8	-08-021-608D-8 Sequence 8, Application US/08021608D Sequence 8, Application US/08021608D Sequence 8, Application US/08021608D Sequence 8, Application US/08021608D Sequence 8, Applicant ON CONTROL OF INVESTION: PROFIN AVIGAN, MAR APPLICANT: ROBERT C., AND AVIGAN, MAR APPLICANT: ROBERT C., AND AVIGAN, MAR APPLICANT: ROBERT C., AND AVIGAN, MAR APPLICANT: NOBERT C., AND AVIGAN, MAR APPLICANTON: AVENUE STATE: NEW YORK COUNTRY: USA ZIP: 10154 COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY DISK COMPUTER READABLE FORM: MEDIUM TYPE: FLOPY DISK COMPUTER: IBM PC COMPATIBLE OMERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: WORDPERFECT 5.1 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/021,608D FILLING DATE: 22-FEB-1993 CLASSIFICATION: 435 PRIOR APPLICATION UMBER: 26,728 APPLICATION NUMBER: 26,728 REFERENCE/DOCKET NUMBER: 2026-4063 TELLECOMMUNICATION INFORMATION: NAME: WILLIAM S. FEILER RESISTRATION NOMBER: 2026-4063 TELECOMMUNICATION INFORMATION: NAME: WILLIAM S. FEILER RESISTRATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 INFORMATION: UNKNOWN MOLECULE TYPE: Peptide/Protein HYPOTHETICAL: NO ORIGINAL SOURCE: ORGANISM: Human CELL LINE: HL60 -08-021-608D-8	(n	Match 7.8%; Score 229.5; DB 1 Local Similarity 22.5%; Pred. No. 5.2e-12; es 91; Conservative 69; Mismatches 128	Que Bes Mat
Sequence 8, Application US/08021608D Patent No. 580760 GENERAL INFORMATION: GENERAL INFORMATION: APPLICANT: LEVENS, DAVID L., DUNCAN, APPLICANT: LEVENS, DAVID L., DUNCAN, APPLICANT: ROBERT C., AND AVIGAN, MAR TITLE OF INVENTION: PROTEIN AND CDNA NUMBER OF SEQUENCES: 24 CORRESPONDENCE ADDRESS: ADDRESSEE: MORGAN & FINNEGAN STREET: 345 PARK AVENUE CITY: NEW YORK COUNTRY: USA ZIP: 10154 ZIP: 10154 COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY DISK COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS OPERATING SYSTEM: PC-DOS/MS-DOS OPERATING SYSTEM: PC-DOS/MS-DOS OPERATING SYSTEM: PC-DOS/MS-DOS OPERATION NUMBER: US/08/021,608D FILING DATE: 22-FEB-1993 CLASSIFICATION UMBER: US/08/021,608D FILING DATE: 22-FEB-1993 CLASSIFICATION: 435 PRIOR APPLICATION: 435 ATTORNEY/AGENT INFORMATION: NAME: WILLIAM S. FEILER: REGISTRATION NUMBER: 26,728 REFERENCE/DOCKET NUMBER: 2026-4063 TELECOMMUNICATION INFORMATION: TELEPHONE: (212) 751-6849 INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 TYPE: Amino Acid STRANDEDNESS: Single TOPOLOGY: Unknown MOLECULE TYPE: Poptide/Protein HYPOTHETYCAL: ORGANISM: Human	-08-021-608D-8 -08-021-608D sequence 8, application US/08021608D sequence 8, application US/08021608D sequence 8, application 5580760 GENERAL INFORMATION: GENERAL INFORMATION: APPLICANT: LEVENS DAVID L., DUNCAN, APPLICANT: ROBERT C., AND AVIGAN, MAR PPLICANT: ROBERT C., AND AVIGAN, MAR APPLICANT: ROBERT C., AND AVIGAN, MAR PTILE OF INVENTION: PROTEIN AND CDNA 1000 STREET: 345 PARK AVENUE CITY: NEW YORK COMPUTER READABLE FORM: ADDRESSEE: MORGAN & FINNEGAN STREET: 345 PARK AVENUE COMPUTER: IEM YORK COMPUTER: IEM YORK COMPUTER: IEM PO COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: WORDERFECT 5.1 CURRENT APPLICATION NUMBER: US/08/021,608D FILING DATE: 22-FEB-1993 CLASSIETCATION NUMBER: US/08/021,608D FILING DATE: 22-FEB-1993 CLASSIETCATION STATE: APPLICATION DATA: APPLICATION DATA: APPLICATION DATA: APPLICATION DATA: APPLICATION UNMBER: US/08/021,608D FILING DATE: 21-FEILER CLASSIETCATION: 435 PRIOR APPLICATION ATA: APPLICATION AP	-	CELL LINE:	
Sequence 8, Application US/08021608D Patent No. 5580760 GENERAL INFORMATION: APPLICANT: LEVENS, DAVID L., DUNCAN, APPLICANT: ROBERT C., AND AVIGAN, MAR TITLE OF INVENTION: NOVEL FUSE BINDIN TITLE OF INVENTION: PROTEIN AND CDNA NUMBER OF SEQUENCES: 24 CORRESPONDENCE ADDRESS: ADDRESSE: MORGAN & FINNEGAN STREET: 345 PARK AVENUE CITY: NEW YORK COUNTRY: USA ZIP: 10154 COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY DISK COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY DISK COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOSTWARE: WORDERFECT 5.1 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/021,608D FILING DATE: 22-FEB-1993 CLASSIFICATION: 435 PRIOR APPLICATION UMBER: 2026-4063 TELECOMMUNICATION NUMBER: 2026-4063 TELECOMMUNICATION INFORMATION: NAME: WILLIAM S. FEILER REGISTRATION NUMBER: 2026-4063 TELEPHONE: (212) 758-4800 TELEPHONE: (212) 758-4800 TELEPHONE: (212) 758-4800 TELEPAX: (212) 758-4800 TELE	Sequence 8, application US/08021608D Sequence 8, application US/08021608D Patent No. 5580760 GENERAL INFORMATION: GENERAL INFORMATION: DEPLICANT: ROBERT C., AND AVIGAN, MAR APPLICANT: ROBERT C., AND AVIGAN, MAR APPLICANT: ROBERT C., AND AVIGAN, MAR TITLE OF INVENTION: PROTEIN AND CDNA TITLE OF INVENTION: PROTEIN AND CDNA TITLE OF INVENTION: PROTEIN AND CDNA APPLICANT: 345 PARK AVENUE CITY: NEW YORK COMPOTER READABLE FORM: COMPOTER READABLE FORM: MEDIUM TYPE: IEM PC COMPATIBLE COMPOTER READABLE FORM: MEDIUM TYPE: FLOPPY DISK COMPOTER READABLE FORM: COMPOTER: 15M PC COMPATIBLE COMPOTER: 15M PC COMPATIBLE COMPOTER: 22-FEB-193 CURRENT APPLICATION NUMBER: US/08/021,608D FILING DATE: 22-FEB-193 CLASSIFICATION: 435 PRIOR APPLICATION NUMBER: 26,728 APPLICATION NUMBER: 26,728 RESISTENCATION INFORMATION: APPLICATION NUMBER: 26,728 RESISTENCATION INFORMATION: NAME: WILLIAM S FEILER REGISTRATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 INFORMATION SOURCE: SEQUENCE CHARACTERISTICS: LENGTH: 590 INFORMATION SOURCE: PROPRIED SOURCE: 100 AC16 STRANDEDNESS: SIngle TOPOLOGY: Unknown MOLECULE TYPE: Peptide/Protein HYPOTHETICAL: NO ORIGINAL SOURCE:		SM: E	
SEQUENCE 8, Application US/08021608D PATENT NO. 550750 GENERAL INFORMATION: APPLICANY: LEVENS, DAVID L., DUNCAN, APPLICANY: ROBERT C., AND AVIGAN, MAR TITLE OF INVENTION: NOVEL FUSE BINDIN TITLE OF INVENTION: NOVEL FUSE BINDIN TITLE OF INVENTION: NOVEL FUSE BINDIN TITLE OF INVENTION: PROTEIN AND CDNA NUMBER OF SEQUENCES: 24 CORRESPONDENCE ADDRESS: ADDRESSEE: MORGAN & FILNEGAN STREET: 345 PARK AVENUE CITY: NEW YORK COUNTRY: USA ZIT: 10154 COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY DISK COMPUTER: IEM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOSTWARE: WORDDERFECT 5.1 CURRENT APPLICATION NUMBER: US/08/021,608D FILING DATE: 22-FEB-1993 CLASSIFICATION: 435 PRIOR APPLICATION UDATA: APPLICATION NUMBER: 20,728 FRIEDRESTENCYTON: 435 ATTORNEY/AGENT INFORMATION: NAME: WILLIAM S. FEILER; REFERENCE/DOCKET NUMBER: 2026-4063 TELECOMMUNICATION INFORMATION: REFERENCE (212) 758-4800 TELECOMMUNICATION INFORMATION: TELECOMMUNICATION INFORMATION: TELECOMMUNICATION INFORMATION: TELECOMMUNICATION INFORMATION: TELECOMMUNICATION INFORMATION: TELECOMMUNICATION INFORMATION: TELECOMMUNICATION OF SEQUENCE: CHARACTERISTICS: LENGTH: 590 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 590 INFORMATION: HYPOTHETICAL: NO MOLECULE TYPE: POPLIGE/Protein	-08-021-608D-8 -08-021-608D-8 Sequence 8, Application US/08021608D SERVENTION: PROTEIN AND AVIGAN, MAR PITLE OF INVENTION: PROTEIN AND CDNA APPLICANT: ROBERT C., AND AVIGAN, MAR TITLE OF INVENTION: PROTEIN AND CDNA APPLICANT: AS PARK AVENUE CITY: NEW YORK COUNTRY: USA ZIF: 10154 COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY DISK COMPUTER TEAD PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOSTWARE: WORDPERECT 5.1 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/021,608D FILING DATE: 22-FB-1993 CLASSIFICATION: 435 PRIOR APPLICATION DATA: APPLICATION NUMBER: 20/18/021,608D FILING DATE: 110FRMATION: NAME: WILLIAM S. FEILER REGISTRATION NUMBER: 2026-4063 TELEPHONE: (212) 751-6649 INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: HYPD: Amino Acid STRANDEDENESS: SINGLE TOPOLOGY: Unknown MOLECULE TYPE: POPLIGE/Protein HYPOTHETYLOAL: NO		SOURCE	-
SEQUENCE 8. Application US/08021608D Patent No. 5580760 GENERAL INFORMATION: DAVID L., DUNCAN, APPLICANT: ROBERT C., AND AVIGAN, MAR TITLE OF INVENTION: NOVEL FUSE BINDIN TITLE OF SECURITY: NEW YORK COUNTRY: USA 21F: 10154 COMPUTER: NEW YORK COUNTRY: USA 21F: 10154 COMPUTER: TEMP FC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOSTWARE: WORDERFECT 5.1 CUMRENT APPLICATION NUMBER: US/08/021,608D APPLICATION NUMBER: US/08/021,608D FILING DATE: 2.7-EB-1993 CLASSIFICATION: 435 PRIOR APPLICATION DATA: APPLICATION APPLICATION: 435 PRIOR APPLICATION NUMBER: 26,728 REFERENCE/DOCKET NUMBER: 20.26-4063 TELECOMMUNICATION INFORMATION: REFERENCE/DOCKET NUMBER: 2026-4063 TELECOMMUNICATION INFORMATION: TELEPHONE: (212) 751-6649 INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 INFORMATION FOR SEQ ID NO: 8: SEQUENCE SHAPE SEQUENCE SINGLE TOPOLOGY: UNKNOWN	-08-021-608D-8 -08-02		OTHETICAL: N	
SEQUENCE 8, Application US/08021608D PATENT NO. 5580750 GENERAL INFORMATION: APPLICANY: LEVENS, DAVID L., DUNCAN, APPLICANY: LEVENS, DAVID L., DUNCAN, APPLICANY: ROBERT C., AND AVIGAN, MAR TITLE OF INVENTION: PROTEIN AND CDNA NUMBER OF SEQUENCES: 24 CORRESPONDENCE ADDRESS: ADDRESSEE: MORGAN & FINNEGAN STREET: 345 PARK AVENUE CITY: NEW YORK COUNTRY: USA ZIP: 10154 ZIP: 10154 COMPUTER READDALE FORM: MEDIUM TYPE: FLOPY DISK COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOSTWARE: WORDPERECT 5.1 CURRENT APPLICATION DATA: APPLICATION UMBER: US/08/021,608D FILING DATE: 22-FEB-1993 CLASSIFICATION UMBER: 26,728 REFERENCE/DOCKET NUMBER: 2026-4063 TELECOMMUNICATION INFORMATION: NAME: WILLIAM S. FEILER REGISTRATION NUMBER: 2026-4063 TELECOMMUNICATION INFORMATION: TELEPHNE: (212) 758-4800 TELEPAN: (212) 751-6849 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 590 TYPE: MAIDO ACId STRANDEDNESS: Single	-08-021-608D-8 -08-021-608D sequence 8, application US/08021608D sequence 8, application US/08021608D sequence 8, application US/08021608D setent No. 5580760 GENERAL IMPORMATION: APPLICANT: ROBERT C., AND AVIGAN, MAR APPLICATION: POTEIN AND CDNA STREET: 345 PARK AVENUE CITY: NEW YORK COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY DISK COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOSTWARE: WORDERFECT 5.1 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/021,608D FILING DATE: 22-FEB-1993 CLASSIFICATION UMBER: 26,728 APPLICATION STATE: CLASSIFICATION: 435 PRIOR APPLICATION: 435 PRIOR APPLICATION UMBER: 26,728 REGISTRATION NUMBER: 2026-4063 TELECOMMUNICATION INFORMATION: TELEPHONE: (212) 758-4800 TELEPONMUNICATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 TYPE: Amino Acid STRANDEDNESS: Single		SPOLOGY: UNK	
SEQUENCE 8, Application US/08021608D PATENT NO. 550750 GENERAL INFORMATION: APPLICANY: LEVENS, DAVID L., DUNCAN, APPLICANY: ROBERT C., AND AVIGAN, WAR TITLE OF INVENTION: PROTEIN AND CDNA NUMBER OF SEQUENCES: 24 CORRESPONDENCE ADDRESS: ADDRESSEE: MORGAN & FINNEGAN STREET: 345 PARK AVENUE CITY: NEW YORK COUNTRY: USA ZIF: 10154 COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY DISK COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY DISK COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: DC-DOS/MS-DOS SOFTWARE: WORDPERFECT 5.1 CURRENT APPLICATION DATE: APPLICATION UMMBER: US/08/021,608D FILING DATE: 22-FEB-1993 CLASSIFICATION: 435 PATOR APPLICATION: 435 PATORNEY/AGENT INFORMATION: NAME: WILLIAM S. FEILER REGISTRATION UNWBER: 26,728 REGISTRATION UNWBER: 26,728 REGISTRATION UNWBER: 26,728 REGISTRATION UNWBER: 26,728 REFERENCE/OCCKET NUMBER: 2026-4063 TELEPHONE: (212) 758-4800 INFORMATION FOR SEG ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 590 TYPE: Amino Acid	-08-021-608D-8 -08-021-608D-8 -58040Ence 8, application US/08021608D		Singl	
SEQUENCE 8. Application US/08021608D PATENT NO. 5580760 GENERAL INFORMATION: APPLICANT: ROBERT C., AND AVIGAN, MAR APPLICANT: ROBERT C., AND AVIGAN, MAR APPLICANT: ROBERT C., AND AVIGAN, MAR TITLE OF INVENTION: PROTEIN AND CDNA NUMBER OF SEQUENCES: 24 CORRESPONDENCE ADDRESS: ADDRESSE: MORGAN & FINNEGAN STREET: 345 PARK AVENUE CITY: NEW YORK COUNTRY: USA XIP: 10154 COMPUTER: REALABLE FORM: MEDIUM TYPE: FLOPPY DISK COUNTRY: USA ZIP: 10154 COMPUTER: IBM PC COMPATIBLE COMPUTER: IBM PC COMPATIBLE COMPUTER: WORDERFECT 5.1 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/021,608D FILING DATE: 22-FEB-1993 CLASSIFICATION: 435 PRIOR APPLICATION NUMBER: 2026-4063 PRIOR APPLICATION NUMBER: 26,728 REFERENCE/DOCKET NUMBER: 2026-4063 TELECOMMUNICATION INFORMATION: NAME: WILLIAM S. FEILER REGISTRATION FOR SEQUENCE: CARRATION: SEQUENCE: CARRACTERISTICS: LENGTH SQUENCE LEARST SQUENCE: CARRACTERISTICS: LENGTH SQUENCE LEARST SQUENCE: CARRACTERISTICS: LENGTH SQUENCE	Sequence 8, application US/08021608D Sequence 8, application US/08021608D Patent No. 5580760 GENERAL INFORMATION: DEPLICANT: LEVENS, DAVID L., DUNCAN, APPLICANT: ROBERT C., AND AVIGAN, MARTITLE OF INVENTION: PROTEIN AND CDNA TITLE OF INVENTION: 945 PARK AVENUE TITLE 10154: STREET: 345 PARK AVENUE CITY: NEW YORK STREET: NEW YORK STREET: NEW YORK STRIE: NEW YORK COMPUTER: LEM PC COMPATIBLE COMPUTER READABLE FORM: PC COS,MS-DOS SOFTWARE: WORDEWFECT 5.1 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/021,608D FILING DATE: 22-FEB-193 CLASSIFICATION: 435 PRIOR APPLICATION NUMBER: 26,728 APPLICATION NUMBER: 26,728 RESISTRATION INFORMATION: NAME: WILLIAM S. FEILER REGISTRATION FOR SEQUENCE: CARRACTEN: SEQUENCE: CARRACTERISTICS: LENGTH V. 590 INFORMATION: 590 INFOR		Ă	
SEQUENCE 8. Application US/08021608D Patent No. 5580760 GENERAL INFORMATION: APPLICANT: ROBERT C., AND AVIGAN, MAR PELICANT: ROBERT C., AND AVIGAN, MAR TITLE OF INVENTION: PROTEIN AND CDNA NUMBER OF SEQUENCES: 24 ADDRESSE: MORGAN & FINNEGAN STREET: 345 PARK AVENUE CITY: NEW YORK COUNTRY: USA ZIP: 10154 COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY DISK COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC COMPATIBLE OPERATING SYSTEM: PC CONS/MS DOS SOSTWARE: WORDDERFECT 5.1 CURRENT APPLICATION DATA: APPLICATION UMMBER: US/08/021,608D FILING DATE: 22 FEB-1993 CLASSIFICATION: 435 PRIOR APPLICATION: 435 PRIOR APPLICATION NUMBER: 2026-4063 TELECOMMUNICATION INFORMATION: NAME: WILLIAM S. FELLER RECISTRATION NUMBER: 2026-4063 TELECOMMUNICATION INFORMATION: NAME: WILLIAM S. FELLER RECISTRATION NUMBER: 2026-4063 TELECOMMUNICATION INFORMATION: TELEPHONE: (212) 758-4800 TELEPAN: (212) 758-4800 TELEPAN: (212) 758-4800 TELEPAN: (212) 758-4800 TELEPAN: (212) 758-4800	Sequence 8, application US/08021608D Sequence 8, application US/08021608D Patent No. 5580760 GENERAL INFORMATION: DEPLICANT: LEVENS, DAVID L., DUNCAN, APPLICANT: ROBERT C., AND AVIGAN, MARTITLE OF INVENTION: PROTEIN AND CDNA TITLE OF INVENTION: PROTEIN AND CDNA TITLE OF INVENTION: PROTEIN AND CDNA NUMBER OF SEQUENCES: 24 CORRESPONDENCE ADDRESS: ADDRESSE: MORGAN & FINNEGAN STREET: 345 PARK AVENUE CITY: NEW YORK COUNTRY: USA ZIT: 10154 COMPUTER: NEW YORK COUNTRY: USA ZIT: 10154 COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY DISK COMPUTER STADBLE FORM: PC CONFATIBLE OPERATING SYSTEM: PC CONFATIBLE OPERATING SYSTEM: PC CONS/MS-DOS SOSTWARE: WORDERFECT 5.1 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/021,608D FILING DATE: 22 FEB-1993 CLASSIFICATION NUMBER: US/08/021,608D FILING DATE: 25.7EB-1993 CLASSIFICATION NUMBER: 2026-4063 REFERENCE/DOCKET NUMBER: 2026-4063 TELEPHONE: (212) 751-6849 INFORMATION FOR SEQ. ID NO: 8:		LENGTH	
SEQUENCE 8. Application US/08021608D PATENT NO. 5580760 GENERAL INFORMATION: APPLICANT: ROBERT C., AND AVIGAN, MAR APPLICANT: ROBERT C., AND AVIGAN, MAR APPLICANT: ROBERT C., AND AVIGAN, MAR TITLE OF INVENTION: PROTEIN AND CDNA NUMBER OF SEQUENCES: 24 CORRESPONDENCE ADDRESS: ADDRESSE: MORGAN & FINNEGAN STREET: 345 PARK AVENUE CITY: NEW YORK COUNTRY: USA ZIP: 10154 COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY DISK COMPUTER: IBM PC COMPATIBLE COMPUTER: FLOPPY DISK COMPUTER: WORDERFECT 5.1 CURRENT APPLICATION DATA: APPLICATION UMMBER: US/08/021,608D FILING DATE: 22-FEB-1993 CLASSIFICATION: 435 PRIOR APPLICATION DATA: APPLICATION NUMBER: CLASSIFICATION: 435 PRIOR APPLICATION UMBER: 56,728 REFERENCE/DOCKET NUMBER: 2026-4063 TELECOMMUNICATION INFORMATION: NAME: WILLIAM S. FEILER REGISTRATION UMBER: 2206-4063 TELECOMMUNICATION INFORMATION: TELEPHONE: (212) 758-4800 TELEPHONE: (212) 758-4800	Sequence 8, application US/08021608D Sequence 10, and avigan, Mar TITLE OF INVENTION: PROTEIN AND AVIGAN, MAR TITLE OF INVENTION: PROTEIN AND CDNA TITLE OF INVENTION: PROTEIN AND CDNA TITLE OF INVENTION: PROTEIN AND CDNA TITLE OF INVENTION: ASSET INVENTION: PROTEIN AND CDNA UNMBER OF SEQUENCES: 24 CORRESPONDENCE ADDRESS: ADDRESSE: MORGAN & FINNEGAN STREET: 345 PARK AVENUE CITY: NEW YORK COUNTRY: USA ZIT: 10154 CONPUTER: NEW YORK COMPUTER: NEW YORK COMPUTER: IBM PC COMPATIBLE COMPUTER: IBM PC COMPATIBLE COMPUTER: IBM PC COMPATIBLE COMPUTER: US/08/021,608D FILLING DATE: 22-FEB-1993 CCLASSIFICATION NUMBER: US/08/021,608D FILLING DATE: 22-FEB-1993 CCLASSIFICATION NUMBER: 2026-4063 PRICE PROME SECUENCE INFORMATION: NAME: WILLIAM S. FEILLER REGISTRATION NUMBER: 2026-4063 TELECOMMUNICATION INFORMATION:		SEQ ID NO:	IN
SEQUENCE 8, Application US/08021608D SACQUENCE 8, Application US/08021608D SACQUENCE 1, EVENS, DAVID L., DUNCAN, APPLICANT: ROBERT C., AND AVIGAN, MAR TITLE OF INVENTION: NOVEL FUSE BINDIN TITLE OF INVENTION: NOVEL FUSE CORRESPONDENCE ADDRESS: ANDRESSE: MORGERS SORM STREET: 345 PARK AVENUE CLITY: NEW YORK COUNTRY: USA ZIP: 10154 COMPUTER: NEW YORK COUNTRY: USA ZIP: 10154 COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOCTWARE: WORDDERFECT 5.1 CURRENT APPLICATION DATA: APPLICATION UMMBER: US/08/021,608D FILING DATE: 22-FEB-1993 CLASSIEICATION: 435 PRIOR APPLICATION: 435 PRIOR APPLICATION SYSTEM APPLICATION: 435 ATTORNEY/AGENT INFORMATION: NAME: WILLIAM S. FEILER RECISTRATION NUMBER: 26,728 REFERENCE/DOCKET NUMBER: 2026-4063 TELECOMMUNICATION INFORMATION:	-08-021-608D-8 Sequence 8, Application US/08021608D Sequence 8, Application US/08021608N, MAR APPLICANT: LEVENS, DAVID L., DUNCAN, APPLICANT: ROBERT C., AND AVIGAN, MAR APPLICANT: ROBERT C., AND AVIGAN, MAR APPLICATION PORK STREET: 345 PARK AVENUE CITY: NEW YORK COUNTRY: USA SIREET: 345 PARK AVENUE CITY: NEW YORK COUNTRY: USA ZIP: 10154 COMPUTER: ENDAY YORK COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOSTWARE: WORDERFECT 5.1 CURRENT APPLICATION UMBER: US/08/021,608D FILING DATE: 22-FEB-1993 CLASSIETCATION: 435 APPLICATION UMBER: 26,728 RESISTRATION NUMBER: 20,728 RESISTRATION NUMBER: 26,728 RESISTRATION NUMBER: 26,728 RESISTRATION NUMBER: 206-4063 TELLOOMMUNICATION IMPORMATION:		E: (212)	
SEQUENCE 8, Application US/08021608D PATENT NO. 5580760 GENERAL INFORMATION: APPLICANY: LEVENS, DAVID L., DUNCAN, APPLICANY: ROBERT C., AND AVIGAN, MAR TITLE OF INVENTION: NOVEL FUSE BINDIN TITLE OF INVENTION: PROTEIN AND CDNA NUMBER OF SEQUENCES: 24 CORRESPONDENCE ADDRESS; ADDRESSEE: MORGAN & FINNEGAN STREET: 345 PARK AVENUE CITY: NEW YORK COUNTRY: USA STATE: NEW YORK COUNTRY: USA ZIT: 10154. COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY DISK COUNTRY: LEM PCOMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOSTWARE: WORDDERFECT 5.1 CURRENT APPLICATION UMBER: US/08/021,608D FILING DATE: 22-FEB-1993 CLASSIETCATION: 435 PRIOR APPLICATION UMBER: ELLING DATE: LIANG DATE: CLASSIETCATION: 435 PRIOR APPLICATION UMBER: US/08/021,608D FILING DATE: CLASSIETCATION: 435 PRIOR APPLICATION UMBER: US/08/021,608D FILING DATE: CLASSIETCATION UMBER: US/08/021,608D FILING DATE: CLASSIETCATION UMBER: US/08/021,608D FILING DATE: CLASSIETCATION UMBER: US/08/021,608D FILING DATE: FILING DATE: FILING DATE: FILING DATE: FILING DATE: FILING DATE: FILING PATENTION UMBER: US/08/021,608D FILING DATE: FILING DATE: FILING PATENTION UMBER: US/08/021,608D	-08-021-608D-8 Sequence 8, Application US/08021608D Sequence 8, Application US/08021608D Sequence 8, Application US/08021608D Setent No. 5580760 GENERAL INFORMATION: APPLICANT: LEVENS, DAVID L., DUNCAN, APPLICANT: ROBERT C., AND AVIGAN, MAR FITLE OF INVENTION: PROTEIN AND CDNA APPLICATURE OF INVENTION: PROTEIN AND CDNA NUMBER OF SEQUENCES: 24 CORRESPONDENCE ADDRESS: ADDRESSEE: MORGAN 6 FINNEGAN STREET: 345 PARK AVENUE CITY: NEW YORK COUNTRY: USA ZIP: 10154 COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY DISK COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY DISK COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC DOS/MS-DOS SOSTWARE: WORDERFECT 5.1 CURRENT APPLICATION UNMBER: US/08/021,608D FILING DATE: 2-FEB-1993 CLASSIFICATION: 435 PRIOR APPLICATION UMBER: FILING DATE: FILING DATE: CLASSIFICATION UMBER: CLASSIFICA		ELECOMMUNICATION INFORMATION:	
SEQUENCE 8, Application US/08021608D PATENT NO. 5580760 GENERAL INFORMATION: APPLICANY: LEVENS, DAVID L., DUNCAN, APPLICANY: ROBERT C., AND AVIGAN, MAR TITLE OF INVENTION: NOVEL FUSE BINDIN TITLE OF INVENTION: NOVEL FUSE ADDRESSEE: MORGAN & FINNEGAN STREET: 345 PARK AVENUE CLITY: NEW YORK COUNTRY: USA ZIT: 10154 COMPUTER: NEW YORK COMPUTER: LEM PC COMPATIBLE OPERATING SYSTEM: PC COMPATIBLE OPERATING SYSTEM: PC COMPATIBLE OPERATING SYSTEM: PC COMPATIBLE OPERATING SYSTEM: PC COMPATIBLE OPERATION SPELICATION DATA: APPLICATION NUMBER: US/08/021,608D FILING DATE: CLASSIFICATION: 435 PRIOR APPLICATION DATA: APPLICATION NUMBER: CLASSIFICATION: APPLICATION SYSTEM: CLASSIFICATION STANDARDION: NAME: WILLIAM S. FEILER NAME: WILLIAM S. FEILER	-08-021-608D-8 -08-021-608D - Sequence 8, Application US/08021608D Sequence 8, Application US/08021608D Sequence 8, Application US/08021608D Setent No. 5580760 GENERAL INFORMATION: APPLICANT: LEVENS, DAVID L., DUNCAN, APPLICANT: ROBERT C., AND AVIGAN, MAR FITLE OF INVENTION: PROTEIN AND CDNA APPLICANT: ROBERT C., AND AVIGAN, MAR FITLE OF INVENTION: PROTEIN AND CDNA NUMBER OF SEQUENCES: 24 CORFERCE: 345 PARK AVENUE CITY: NEW YORK COUNTRY: USA STREET: 345 PARK AVENUE CITY: NEW YORK COUNTRY: USA ZIP: 10154 ZIP: 10154 COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY DISK COMPUTER TEM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOSTWARE: WORDERFECT 5.1 CURRENT APPLICATION NUMBER: US/08/021,608D FILING DATE: APPLICATION NUMBER: FILING DATE: FILING DATE: FILING DATE: CLASSIFICATION: 435 ATTORNEY/AGENT INFORMATION: NAME: WILLIAM S. FEILER NAME: WILLIAM S. FEILER		BER: 26,728 NIIMBER: 2025-406	
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PATENT NO. 580750 PATENT NO. 580760 GENERAL INFORMATION: APPLICANY: LEVENS, DAVID L., DUNCAN, APPLICANY: ROBERT C., AND AVIGAN, MAR TITLE OF INVENTION: NOVEL FUSE BINDIN TITLE OF INVENTION: NOVEL FUSE COMPUTER SEQUENCES: 24 CORRESSEE: MORGAN & FINNEGAN STREET: 345 PARK AVENUE CITY: NEW YORK COUNTRY: USA CITY: NEW YORK COUNTRY: USA ZIP: 10154 COMPUTER READABLE FORM: MEDIUM TYPE: FILOPPY DISK COMPUTER: IEM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOSTWARE: WORDPERFECT 5.1 CURRENT APPLICATION UMBER: US/08/021,608D FILING DATE: 22-FEB-1993 CLASSIETICATION UMBER: FILING DATE:	-08-021-608D-8 Sequence 8, Application US/08021608D Sequence 8, Application US/08021608D Sequence 8, Application US/08021608D Setent No. 5580760 GENERAL IMPORMATION: APPLICANT: LEVENS DAVID L., DUNCAN, APPLICANT: LEVENS DAVID L., DUNCAN, APPLICANT: NOBERT C., AND AVIGAN, MAR TITLE OF INVENTION: PROTEIN AND CDNA NUMBER OF SEQUENCES: 24 CORRESPONDENCE ADDRESS: ADDRESSEE: MORGAN A FINNEGAN STREET: 345 PARK AVENUE CITY: NEW YORK COUNTRY: USA STREET: NEW YORK COUNTRY: USA ZIP: 10154. COMPUTER READABLE FORM: MEDIUM TYPE: FILOPY DISK COMPUTER: IBM PC COMPATIBLE COMPUTER: OFFINER: DOS/MS-DOS SOFTWARE: WORDPERFECT 5.1 CURRENT APPLICATION DATA: APPLICATION UMBER: US/08/021,608D FILING DATE:		CLASSIFICATION: 435	
SEQUENCE 8, Application US/08021608D PATENT NO. 550760 GENERAL INFORMATION: APPLICANY: LEVENS, DAVID L., DUNCAN, APPLICANY: ROBERT C., AND AVIGAN, WAR TITLE OF INVENTION: PROTEIN AND EDNA NUMBER OF SEQUENCES: 24 CORRESPONDENCE ADDRESS: ADDRESSEE: MORGAN & FINNEGAN STREET: 345 PARK AVENUE CITY: NEW YORK COUNTRY: USA ZIP: 10154 COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY DISK COMPUTER: ISH PC COMPATIBLE COMPUTER: OF POSSMS-DOS SOFTWARE: WORDPOSSMS-DOS SOFTWARE: WORDPOS	-08-021-608D-8 Sequence 8, Application US/08021608D Sequence 8, Application US/08021608D Sequence 8, Application US/08021608D Setent No. 5580760 GENERAL IMPORMATION: DAVID L., DUNCAN, APPLICANT: ROBERT C., AND AVIGAN, MAR TITLE OF INVENTION: PROTEIN AND CDNA APPLICANT: ROBERT C., AND AVIGAN, MAR TITLE OF INVENTION: PROTEIN AND CDNA NUMBER OF SEQUENCES: 24 CORRESPONDENCE ADDRESS: ADDRESSEE: MCRCAN & FINNEGAN STREET: 345 PARK AVENUE CITY: NEW YORK CITY: NEW YORK CITY: NEW YORK COMPUTER READABLE FORM: MEDIUM TYPE: FLOPFY DISK COMPUTER: IBM PC CONFATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOSTWARE: WORDERFECT 5.1 CURRENT APPLICATION NUMBER: US/08/021,608D FILING DATE: 22-FEB-1993 CLASSIFICATION DATA: APPLICATION DATA:			-
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US-08-726-160-8
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US-08-726-160-8
                                                                                                                                                                                        Best Loc
Matches
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GENERAL INFORMATION:
APPLICANT: LEVENS, DAVID L., DUNCAN,
APPLICANT: ROBERT C., AND AVIGAN, MARK I.
TITLE OF INVENTION: NOVEL FUSE BINDING
TITLE OF INVENTION: PROTEIN AND CDNA THEREFOR
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: WILLIAM'S FEILER REGISTRATION NUMBER: 26.728
REGISTRATION NUMBER: 20.6
REFERENCE/DOCKET NUMBER: 20.6
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 751-6849
INFORMATION FOR SEG ID NO: 8:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: 1BM C COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDDERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION UNABER: US/08/726,160
FILING DATE: 04-OCT-1996
CLASSIFICATION UNABER: US/08/021,608
PRIOR APPLICATION UNABER: 08/021,608
FILING DATE: 22-FEB-1993
CLASSIFICATION: 435
PRIOR DATE: WINDERMATION:
NAME: WILLIAM S. PEILER
NAME: WILLIAM S. PEILER
NAME: WILLIAM S. PEILER
                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: Unknow MOLECULE TYPE: Per HYPOTHETICAL: NO ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                  LENGTH: 590
TYPE: Amino Acid
STRANDEDNESS: Single
TOPOLOGY: Unknown
TOPOLOGY: Unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 387 SQQSGARIELQRNPPPNADPNMKLETIRGTPQQIDYARQLIEEKI 431
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                                                  262 EIMHKEAQDIKFTE-----EIPLKILAHNNFVGRLIGKEGRNLKKIEQDTDTKITISPLQ 316
                                                                                                                                              202 VPTQFVGAIIGKEGATIRNITKQTQSKIDVHRKENAGAAEKSITILSTPEGTSAACKSIL 261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       281 MIKKIQNDAGVRIQFKPDDGTTPE-RIAQITGPPDRCQHAAEIITDLLRSVQAGNPGGPG 339
                     150 QIVEKGRPAPGFHHGDGPGNAVQEIMIPASKAGLVIGKGGETIKQLQERAGVKMVM~-IQ 207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: MORGAN & FINNEGAN
STREET: 345 PARK AVENUE
CITY: NEW YORK
STATE: NEW YORK
                                                                                                       91 VPDGMVGFIIGRGGEQISRIQQESGCKIQI-APDSGGLPERSCMLTGTPESVQSAKRLLD 149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY: C
ZIP: 10154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          , Application US/08726160 5734016
                                                                                                                                                                                      7.8%; Score 229.5; DB 1; Length 590; Similarity 22.5%; Pred, No. 5.2e-12; 91; Conservative 69; Mismatches 128; Indels 117; Gaps
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                                                                                                                                                                                           16;
                                                                                                                                                                                           FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
PRIOR APPLICATION UMBER: U.S. 08/021,608
FILING DATE: 22-FEB-193
ATTORNEY/ACENT INFORMATION:
NAME: WILLIAM S. FEILER
REGISTRATION UNBER: 26-728
REFERENCE/DOCKET NUMBER: 2026-4063PCT
TELECOMMUNICATION INFORMATION:
TELEPANE: (212) 758-4800
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 590
TYPE: Amino Acid
STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     В
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PCT-US94-01782-8
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GENERAL INFORMATION:
APPLICANT: THE GOVERNMENT OF THE UNITED STATES
APPLICANT: AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF
APPLICANT: HEALTH AND HUMAN SERVICES
TITILE OF INVENTION: NOVEL FUSE BINDING
TITLE OF INVENTION: PROTEIN AND CONA THEREFOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOCTWARE: WOKDPERFECT 5.1
CURRENT APPLICATION NUMBER: PCT/US94/01:
FILING DATE: 22-FEB-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
STREET: 345 PARK AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
                                                                                                                                                 TOPOLOGY: Unknown MOLECULE TYPE: Pept HYPOTHETICAL: NO ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
INDIVIDUAL ISOLATE:
DEVELOPMENTAL STAGE:
HAPLOTYPE:
TISSUE TYPE:
CELL TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   387 SQQSGARIELQRNPPPNADPNMKLFTIRGTPQQIDYARQLIEEKI 431
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                                                                                                                                 ORGANISM:
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OTHER INFORMATION:
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Search completed: April 16, 2003, 16:23:03 Job time : 36.3251 secs
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                                                                                                              514 QNLSSAEVVVPRDQTPDENDQV-VVKITGH----FYACQVAQRKI 553
                                                                                                                                                                      468 --GRIYGK------IKEENFVSPKEEVKLEAHIRVPSFAAGRVIGKGGKTVNEL 513
                                                                                                                                                                                                                                                         281 MIKKIQNDAGVRIQFKPDDGTTPE-RIAQITGPPDRCQHAAEIITDLLRSVQAGNPGGPG 339
                                                                                                                                                                                                                                                                                  258 G------IPRFAVGIVIGRNGE 280
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                                                                                       387 SQQSGARIELQRNPPPNADPNMKLFTIRGTPQQIDYARQLIEEKI 431
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                                                                                                                                                                                                                                                                                                                                                                                                                               208 D----GPQNTGADKPLRITGDPYKVQQAKEMVLELIRDQGGFREVRNEYGSR-----1G 257
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   91 VPDGMVGFIIGRGGEQISRIQQESGCKIQI-APDSGGLPERSCMLTGTPESVQSAKRLLD 149
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Title:
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Sequence:
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Maximum Match 100%
Listing first 45 s
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Maximum DB seq
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1: /cgn2_6/ptodata/1/paa/US06_COMB.pep:*

2: /cgn2_6/ptodata/1/paa/US07_COMB.pep:*

4: /cgn2_6/ptodata/1/paa/US08_COMB.pep:*

4: /cgn2_6/ptodata/1/paa/US08_COMB.pep:*

5: /cgn2_6/ptodata/1/paa/US08_COMB.pep:*

6: /cgn2_6/ptodata/1/paa/US082_COMB.pep:*

7: /cgn2_6/ptodata/1/paa/US082_COMB.pep:*

8: /cgn2_6/ptodata/1/paa/US082_COMB.pep:*

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Gapop 10.0 , Gapext 0
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Copyright (c) 1993 - 2003
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    PCT-US01-47576-176

B US-09-466-396A-176

B US-09-476-496A-176

B US-09-480-884A-176

US-09-510-376A-176

9 US-09-542-615A-176
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Compugen Ltd.
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    Sequence 176, Appendix Sequence 176, Appendix
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APPLICANT: Wang, Alun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Kalos, Michael D.
APPLICANT: Henderson, Robert A.
APPLICANT: Henderson, Robert A.
APPLICANT: McNeill, Patricia D.
APPLICANT: Fanger, Neil
APPLICANT: Fanger, Gary R.
APPLICANT: Panger, Gary R.
APPLICANT: Watnabe, Yoshihiro
APPLICANT: Watnabe, Yoshihiro
APPLICANT: Caiter, David W.
APPLICANT: Coi, Feng
APPLICANT: Poy, Teresa M.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455039C
CURRENT APPLICATION NUMBER: PCT/USO1/47576
CURRENT FILING DATE: 2001-11-30
NUMBER OF SED ID NOS: 469
SOFTWARE: FastSEQ for Windows Version 4.0
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PCT-US01-47576-176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 176,
GENERAL INFOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Corixa Corporation APPLICANT: Wang, Tongtong
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INFORMATION:
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Wang, Aijun
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0 US-09-606-421A-176
0 US-09-630-940B-176
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2 US-09-850-718-176
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PCT-US01-47576-446
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Sequence 1;
Sequence 1;
Sequence 17
Sequence 176
Sequence 176,
Sequence 176,
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Sequence 348, A
Sequence 449, AF,
Sequence 348, A
Sequence 348, A
Sequence 348, A
Sequence 348, Ap
Sequence 348, App
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RESULT 2
US-09-466-396A-176
Sequence 176, Application US/09466396A
Sequence 176, Application US/09466396A
Sequence 176, Application US/09466396A
Separation INFORMATION:
APPLICATE: Wang, Tongtong
TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C4
CURRENT APPLICATION NUMBER: US/09/466,396A
CURRENT APPLICATION NUMBER: US/09/466,396A
CURRENT FILING DATE: 1999-12-17
NUMBER OF SEQ ID NOS: 224
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 176
SEQ ID NO 176
CURCHING: Homo Sapiens
US-09-466-396A-176
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                 Query Match
Best Local S
Matches 579
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LENGTH: 579
TYPE: PRT
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Best Local Similarity
Matches 579; Conserv
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                  579;
                 100.0%;
Similarity 100.0%;
79; Conservative 0;
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               Score 2956; DB 18;
Pred. No. 8.6e-243;
; Mismatches 0;
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Pred. No. 8.6e-243;
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SEBERAL INFORMATION:
APPLICANT: Hang, Tongtong A.
APPLICANT: Hosken, Nancy A.
APPLICANT: Hosken, Nancy A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY OF TITLE OF INVENTION: LUNG CANCER
TITLE OF INVENTION: LUNG CANCER
TITLE OF INVENTION: LUNG CANCER
CURRENT APPLICATION UNMBER: US/09/476,496A
CURRENT FILLING DATE: 1999-12-30.
NUMBER OF SED ID NOS: 254
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 176
SEQ ID NO 176
LENGTH: 579
TYPE: PRT
ORGANISW: Homo sapiens
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301 KIBODTDTKITTSPLOBLTLYNPERFITTVKONVETCAKABEEHKKIRESYENDIASMUL
301 KIBODTDTKITTSPLOBLTLYNPERFITTVKONVETCAKABEETKKIRESYENDIASMUL
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               IELHGKPIEVEHSVPKRORIRKLQIRNIPPHLQWEVLDSLLVQYGVVESCEQVNTDSETA 120
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MNKLYTGNLSENAAPSDLESTFKDAKIPVSGPFLVKTGYAFVDCPDESWALKAIEALSGK
MNKLYTGNLSENAAPSDLESTFKDAKIPVSGPFLVKTGYAFVDCPDESWALKAIEALSGK
                                                      MNKLYIGNLSENAAPSDLESIFKDAKIPVSGPFLVKTGYAFVDCPDESWALKAIEALSGK
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579; Conserv
                                                                                                         100.0%; ilarity 100.0%; Conservative 0
                                                                                                        ; Score 2956; DB 18;
; Pred. No. 8.6e-243;
0; Mismatches 0;
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; Sequence 176, Application US/09480884A
; GENERAL INFORMATION:
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CURRENT FILING DATE: 2001-08-27
NUMBER OF SEQ ID NOS: 330
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 176
LENGTH: 579
                                                                                                                                                                                              Query Match
Best Local Similarity
Matches 579; Conserva
                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Fanger, Gary R.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C6
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APPLICANT: Fan, Liqun
APPLICANT: Hosken, Nancy
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                                         VVNVTYSSKDQARQALDKLNGFQLENFTLKVAYIPDEMAAQQNPLQQPRGRRGLGQRGSS
                                                                                                IELHGKPIEVEHSVPKRQRIRKLQIRNIPPHLQWEVLDSLLVQYGVVESCEQVNIDSETA 120
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                         VVNVTYSSKDQARQALDKLNGFQLENFTLKVAYIPDEMAAQQNPLQQPRGRRGLGQRGSS
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RQGSPGSVSKQKPCDLPLRLLVPTQFVGAIIGKEGATIRNITKQTQSKIDVHRKENAGAA
                                                                                IELHGKPIEVEHSVPKRQRIRKLQIRNIPPHLQWEVLDSLLVQYGVVESCEQVNTDSETA
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                                                                                                                                                                                              Conservative
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                                                                                                                                                                                              0;
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                                                                                                                                                                                              0,
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SOFTWARE: FastSEQ for Windows Version 3.0
: SEQ ID NO 176
LENGTH: 579
: TYPE: PRT
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US-09-510-376A-176
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Matches 579; Conserv
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          EKSITILSTPEGTSAACKSILEIMHKEAQDIKFTEEIPLKILAHNNFVGRLIGKEGRNLK
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EKSITILSTPEGTSAACKSILEIMHKEAQDIKFTEEIPLKILAHNNFVGRLIGKEGRNLK
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Pred. No. 8.6e-243;
Mismatches 0;
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RESULT 6

US-09-542-615A-176

US-09-542-615A, Application US/09542615A

Sequence 176, Application US/09542615A

GENERAL INFORMATION:

APPLICANT: Wang, Tongtong

APPLICANT: Hang, Liqun

APPLICANT: Bangur, Chaitanya S.

APPLICANT: Hosken, Marcy A.

APPLICANT: Hosken, Marcy A.

APPLICANT: Fanger, Gary R.

ITILE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

FILE REFERENCE: 210121.455C8

CURRENT APPLICATION NUMBER: US/09/542,615A

CURRENT ELING DATE: 2000-04-14

NUMBER OF SEQ ID NOS: 350

SEQ ID NO 176

SEQ ID NO 176

SEQ ID NO 176

LENGTH: 579
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; ORGANISM: Homo sapiens
US-09-542-615A-176
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301 KIEODTDTKITISPLOELTLYNDERTITVKGNUETCARAEEELMKKIRESYENDIASMNL 360 KIEODTDTKITISPLOELTLYNDERTITVKGNUETCARAEEELMKKIRESYENDIASMNL 360 KIEODTDTKITISPLOELTLYNDERTITVKGNUETCARAEEELMKKIRESYENDIASMNL 360
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181 RGGSPGSVSKGKPCDLPLRLLVPTQFVGAIIGKEGATIRNITKGTGSKIDVHRKEBAGAA 240
181 RGGSPGSVSKGKPCDLPLRLLVPTQFVGAIIGKEGATIRNITKGTQSKIDVHRKEBAGAA 240
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361 QAHLIPGLULNALGLEPPTSGMPPDTSGPPSAMTPPYPQFEGGETETVHQPTPALSVGAI 420
361 QAHLIPGLULNALGLEPPTSGMPPPTSGPPSAMTPPYPQFEGGETETVHQFTPALSVGAI 420
                                                                         241 EKSITILSTPEGTSAACKSILEIMHKEAQDIKFTEEIPLKILAHNNFVGRLIGKEGRNLK 300
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61 IELHGKPIEVEHSVPKRORIRKIOIRNIEPHIOWEVLDSLLVQYGVVESCEQVNTDSETA 120
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CURRENT APPLICATION NUMBER: US/09/606,421B; CURRENT FILING DATE: 2000-06-28; NUMBER OF SEQ ID NOS: 358; SOFTWARE: FASTSEQ for Windows Version 3.0; SEQ ID NO 176; LENGTH: 579; TYPE: PRT; ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-606-421B-176
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APPLICANT:
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APPLICANT: Skeiky, Yasir A.W.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Wang, Tongtong
APPLICANT: Fan, Liqun
APPLICANT: Kalos, Michael D.
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-630-940A-176
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Best Local S
Matches 579
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APPLICANT: MCNeill, Patricia D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C10
CURRENT APPLICATION NUMBER: US/09/630,940A
CURRENT FILING DATE: 2000-08-02
NUMBER OF SEO ID NOS: 367
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 176
LENGTH: 579
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APPLICANT:
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                                                          EKSITILSTPEGTSAACKSILEIMHKEAQDIKFTEEIPLKILAHNNFVGRLIGKEGRNLK 300
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Fanger, Gary
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US-09-630-940B-176
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APPLICANT: Fan, Liqun
APPLICANT: Kalos, Michael
APPLICANT: Bangur, Chaitan
APPLICANT: Hosken, Nancy
APPLICANT: Fanger, Gary R.
APPLICANT: Li, Samuel X.
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APPLICANT: McKeill, Patricia D.
APPLICANT: McKeill, Patricia D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455010
CURRENT APPLICATION NUMBER: US/09/630,940B
CURRENT FILING DATE: 2000-08-02
NUMBER OF SEQ ID NOS: 367
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 176
LENGTH: 579
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GENERAL INFORMATION
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Best Local !
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                  QAHLIPGLNLNALGLFPPTSGMPPPTSGPPSAMTPPYPQFEQSETETVHQFIPALSVGAI 420
                                                                                KIEQDTDTKITISPLQELTLYNPERTITVKGNVETCAKAEEEIMKKIRESYENDIASMNL 360
                                                                                                                        EKSITILSTPEGTSAACKSILEIMHKEAQDIKFTEEIFIKILANNUFVGRLIGKEGRNLK 300
                                                                                                                                                                                      VVNVTYSSKDQARQALDKLNGFQLENFTLKVAYIPDEMAAQQNPLQQPRGRRGLGQRGSS 180
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                                                              KIEQDTDTKITISPLQELTLYNPERTITVKGNVETCAKAEEEIMKKIRESYENDIASMNL
                                                                                                                                                                                                                                                                                                                                                                                                                                      tch 100.0%; score 2956; DB 20; al Similarity 100.0%; Pred. No. 8.6e-243; 579; Conservative 0; Mismatches 0;
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Skeiky, Yasi
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Hosken, Nancy
Fanger, Gary R.
Li, Samuel X.
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APPLICANT: Henderson, Robert A.
APPLICANT: McNeill, Patticia D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THE
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121 455C12
CURRENT APPLICATION NUMBER: US/09/662,786
CURRENT FILLNG DATE: 2000-09-15
NUMBER OF SEQ ID NOS: 381
SOFTWARE: FastsEQ for Windows Version 3.0
SEQ ID NO 176
SEQ ID NO 176
LENGTH: 579
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; TYPE: PRT
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US-09-662-786-176
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US-09-662-786-176
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Fanger, Gary R
Li, Samuel X.
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Fan, Liqu
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APPLICANT: Skeiky, 'Tasir A.W.

APPLICANT: Henderson, Robert A.

APPLICANT: McNeill, Patticia D.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C13
CURRENT APPLICATION UNUMEER: US/09/685,696
CURRENT FILING DATE: 2000-10-09
NUMBER OF SEQ ID NOS: 381
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 176
LENGTH: 579
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US-09-685-696-176
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               QAHLIPGLNLNALGLFPPTSGMPPPTSGPPSAMTPPYPQFEQSETETVHQFIPALSVGAI'420
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Tan, Liqun
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                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 2956; DB 20; ilarity 100.0%; Pred. No. 8.6e-243; Conservative 0; Mismatches 0;
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APPLICANT: Henderson,
APPLICANT: McNeill, Patricia D.
APPLICANT: McNeill, Patricia D.
APPLICANT: McNeill, Patricia D.
APPLICANT: Franger, Neil
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THE
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121-455C14
CURRENT APPLICATION NUMBER: US/09/735,705
CURRENT FILING DATE: 2000-12-12
NUMBER OF SEQ ID NOS: 419
SOFTWARE: FastSEQ for Windows Version 3.0
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SEQ ID NO 176
LENGTH: 579
TYPE: PRT
ORGANISM: Homo sapiens
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APPLICANT: Wang, T
APPLICANT: Fan, Li
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Best Local Similarity
Matches 579; Conserv
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APPLICANT:
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                                                          EKSITILSTPEGTSAACKSILEIMHKEAQDIKFTEEIPLKILAHNNFVGRLIGKEGRNLK 300
                                                                                                                                                                                                                                                                                    VVNVTYSSKDQARQALDKLNGFQLENFTLKVAYIPDEMAAQQNPLQQPRGRRGLGQRGSS 180
QAHLIPGLNLNALGLFPPTSGMPPPTSGPPSAMTPPYPQFEQSETETVHQFIPALSVGAI
                                                                                                                                                                                         RQGSPGSVSKQKPCDLPLRLLVPTQFVGAIIGKEGATIRNITKQTQSKIDVHRKENAGAA
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                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 2956; DB 21; ilarity 100.0%; Pred. No. 8.6e-243; Conservative 0; Mismatches 0;
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RESULT 14
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                                                                                                                                                                                           VVNVTYSSKDQARQALDKLNGEQLENETLKVAYIPDEMAAQQNPLQQPRGRRGLGQRGSS 180
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APPLICANT: Bangur, Chaitanya S.
APPLICANT: Hosken, Nancy
APPLICANT: Fanger, Gary R.
APPLICANT: Lingser, Gary R.
APPLICANT: Wang, Aljun
APPLICANT: Wang, Aljun
APPLICANT: Menderson, Robert A.
APPLICANT: McNeill, Patricia D.
APPLICANT: Fanger, Neil
APPLICANT: Fenger, Neil
APPLICANT: Retter, Marc W.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C15
CURRENT APPLICATION NUMBER: US/09/850,716
CURRENT APPLICATION ON HORD TO SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 176
SEQ ID NO 176
SEQ ID NO 176
LENGTH: 579
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US-09-850-716-176
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Best Local S
Matches 579
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                                                                                                                              361 QAHLIPGLNLNALGLFPPTSGMPPPTSGPPSAMTPPYPQFEQSETETVHQFIPALSVGAI 420
                                                                                                                                                              301 KIEQDTDTKITISPLQELTLYNPERTITVKGNVETCAKAEEEIMKKIRESYENDIASMNL
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                                IGKQGQHIKQLSRFAGASIKIAPAEAPDAKVRMVIITGPPEAQFKAQGRIYGKIKEENFV
                                                               IGKQGQHIKQLSRFAGASIKIAPAEAPDAKVRMVIITGPPEAQFKAQGRIYGKIKEENFV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       tch 100.0%; Score 2956; DB 22; al Similarity 100.0%; Pred. No. 8.6e-243; 579; Conservative 0; Mismatches 0;
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Sear Job 1	DЪ	QУ	Db
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Search completed: April 16, 2003, 16:29:56 Job time : 390.852 secs	541 GHFYACQVAQRKIQEILTQVKQHQQKALQSGPPQSRRK 579	541 GHFYACQVAQRKIQEILTQVKQHQQQKALQSGPPQSRRK 579	

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Title:
Perfect score:
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Maximum DB
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                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
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  Sequence
  176, App
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427, App
427, App
1114, Ap
11114, Ap
11117, Ap
1117, Ap
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CURRENT FILING DATE: 2000-12-12

NUMBER OF SEQ ID NOS: 419

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 176

EENCTH: 579

TYEE: PRT

ORGANISM: Homo sapiens
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                                                                                                                                                                                             Query Match 100.0%; Score 2956; DB 10; Best Local Similarity 100.0%; Pred. No. 9.7e-218; Matches 579; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Henderson, Robert A.
APPLICANT: Henderson, Robert A.
APPLICANT: MCNeill, Patricia D.
APPLICANT: Fanger, Neil
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C14
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Fan, Liqun
Kalos, Michael D.
Bangur, Chaitanya S
Hosken, Nancy
Fanger, Gary R
Li, Samuel X
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Sequence 25, Appl
Sequence 25, Appl
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Sequence 27, Appl
Sequence 1113, Appl
Sequence 1113, Appl
Sequence 1117, Appl
Sequence 11, Appl
Sequence 11, Appl
Sequence 1, Appl
Sequence 27, Appl
Sequence 27, Appl
Sequence 27, Appl
Sequence 27, Appl
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Gaps

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Sequence 176, Application US/09850716A

Patent No. US20020115139A1

GENERAL INFORMATION:
APPLICANT: Kalos, Michael D.
APPLICANT: KORSILI, PATTICIA D.
APPLICANT: ROTTELE INTO INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C15

CURRENT APPLICATION UNUMBER: US/09/850,716A

CURRENT APPLICATION UNUMBER: US/09/850,716A

CURRENT APPLICATION UNUMBER: US/09/850,716A

CURRENT FILING DATE: 2001-05-07

NUMBER OF SEQ ID NOS: 440

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 176

SEQ ID NO 176

LEMOTH: 579

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US-09-850-716A-176
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APPLICANT: Marnerakis, Margarita
APPLICANT: Fanger, Gary R.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Henderson, Robert A.
APPLICANT: Peckham, David W.
APPLICANT: Fender, Meil
TITLE OF INVERTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVERTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C16
CURRENT APPLICATION NUMBER: US/09/897,778
CURRENT FILING DATE: 2001-06-28
NUMBER OF SEO ID NOS: 467
SOFTWARE: FRASTSEQ for Windows Version 4.0
SEO ID NO 176
SEO ID NO 176
SEO ID NO 176
SEO ID NO 360
TYPE: PRT
ORGANISM: Homo sapiens
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US-09-897-778-176
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GENERAL INFORMATION
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                                                                       RQGSPGSVSKQKPCDLPLRLLVPTQFVGAIIGKEGATIRNITKQTQSKIDVHRKENAGAA 240
                                                                                                                                                                       VVNVTYSSKDQARQALDKLNGFQLENFTLKVAYIPDEMAAQQNPLQQPRGRRGLGQRGSS 180
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APPLICANT: Fan, Lique
APPLICANT: Ralos, Michel D.
APPLICANT: Rangur, Chaitanya S.
APPLICANT: Hosken, Nancy
APPLICANT: Hosken, Nancy
APPLICANT: Hosken, Nancy
APPLICANT: Hosken, Nancy
APPLICANT: Wang, Aijun
APPLICANT: Henderson, Robert A.
APPLICANT: Hoskin, Naberica D.
APPLIC
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US-09-735-705-348
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SEQ ID NO 348
LENGTH: 579
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CURRENT FILING DATE: 2000-12-12
NUMBER OF SEC ID NOS: 419
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Patent No. US20020115139A1
GENERAL IMPORMATION:
APPLICANT: Kalos, Michael D.
APPLICANT: MCNeill, Patricia D.
APPLICANT: MCNeill, Patricia D.
APPLICANT: MCNeill, Patricia D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C15
CURRENT APPLICATION NUMBER: US/09/850,716A
CURRENT FILING DATE: 2001-05-07
NUMBER OF SEQ ID NOS: 440
SEQ ID NO 348
LENGTH: 579
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Pred. No. 9.6e-217;
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; ORGANISM: Homo sapiens US-09-897-778-348
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APPLICANT: PENGET, NG11 W.

PITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
ELLE REFERENCE: 210121.45016
CURRENT FILING DATE: 2001-06-28
CURRENT FILING DATE: 2001-06-28
NUMBER OF SEQ ID NOS: 467
SOFTMARE: FastSEQ for Windows Version 4.0
SEQ ID NO 348
SEQ ID NO 379
TYPE: PRT
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Best Local Similarity 99.7
Matches 577; Conservative
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APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Henderson, Robert A.
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APPLICANT: Marnerakis,
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APPLICANT: Marnerakis, Margarita
APPLICANT: Panger, Gary R.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Henderson, Robert A.
APPLICANT: Henderson, Robert A.
APPLICANT: Packham, David W.
APPLICANT: Fachger, Neil
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C16
CURRENT APPLICATION NUMBER: US/09/897,778
CURRENT FILING DAYE: 2001-06-28
NUMBER OF SEQ ID NOS: 467
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 446
LENGTH: 579
TYPE: PRT
ORGANISM: Homo sapiens
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Patent No. US2002014
GENERAL INFORMATION:
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US-09-897-778-446
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481 SPKEBVKLEAHTRVPSFAAGRVICKGGKTVNELQNLSSAEVVVPRDQTPDENDQVVKKIT 540
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Local Similarity 99.7%; Pred. No. 9.6e-217;
es 577; Conservative 0; Mismatches 2;
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APPLICANT: Wannerakis, Margarita
APPLICANT: Marnerakis, Margarita
APPLICANT: Fanger, Gary R.
APPLICANT: Fanger, Gary R.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Fanger, Nebert A.
APPLICANT: Fanger, Neil
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THE!
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C16
CURRENT APPLICATION NUMBER: US/09/897,778
NUMBER OF SEQ ID NOS: 467
SOFTWARE: FastSEQ for Windows' Version 4.0
SEQ ID NO 449
LENGTH: 579
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LENGTH: 579
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US-09-897-778-449
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IELHGKPIEVEHSVPKRQRIRKLQIRNIPPHLQWEVLDSLLVQYGVVESCEQVNTDSETA 120
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                                                               EKSITILSTPEGTSAACKSILEIMHKEAQDIKFTEEIPLKILAHNNFVGRLIGKEGRNLK
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US-09-850-716A-427

Sequence 427, Application US/09850716A

Patent No. US20020115139A1

GENERAL INFORMATION:
APPLICANT: Kalos, Michael D.
APPLICANT: McNeill, Patricia D.
APPLICANT: McNeill, Patricia D.
APPLICANT: McNeill, Patricia D.
APPLICANT: McNeill, Marc W.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIGNOSIS OF LUNG CANCER
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; LENGTH: 586
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-850-716A-427
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CURRENT APPLICATION NUMBER: US/09/850,
CURRENT FILING DATE: 2001-05-07
NUMBER OF SEQ ID NOS: 440
SOFTWARE: FastSEQ for Windows Version
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                                                      AHLIPGLNLNALGLFPPTSGMPPPTSGPPSAMTPPYPQFEQSETETVHLFIPALSVGAII
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Pred. No. 2.3e-216;
0; Mismatches 2;
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GENERAL INFORMATION:

APPLICANT: Wang, Tongtong

APPLICANT: Wanger, Gary R.

APPLICANT: Vedvick Thomas S.

APPLICANT: Vedvick Thomas S.

APPLICANT: Vedvick Thomas S.

APPLICANT: Watanabe, Yoshihiro

APPLICANT: Watanabe, Yoshihiro

APPLICANT: Henderson, Robert A.

APPLICANT: Penckham, David W.

APPLICANT: Fanger, Neil

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

FILE REFERENCE: 20121.455cl6

CURRENT APPLICATION NUMBER: US/09/897,778

CURRENT FILING DATE: 2001-06-28

NUMBER OF SQU ID NOS: 467

SEQ ID NO 427

SEQ ID NO 427

LENGTH: 586
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-897-778-427
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US-09-897-778-427
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Best Local Similarity 99.7%; Pred. No. 2.3e-216;
Matches 576; Conservative 0; Mismatches 2;
 429
             422 GKQGQHIKQLSRFAGASIKIAPAEAPDAKVRMVIITGPPEAQFKAQGRIYGKIKEENFVS 481
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549 HFYACQVAORKIQEILTQVKOHQQOKALQSGPPQSRRK 586
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                                                        AHLIPGLNLNALGLEPPTSGMPPPTSGPPSAMTPPYPQFEQSETETVHQFIPALSVGAII 421
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                                         AHLIPGLNLNALGLEPPTSGMPPPTSGPPSAMTPPYPQFEQSETETVHLFIPALSVGAII
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APPLICANT: Ross, Jeffrey
TITLE OF INVENTION: THE C-MYC CODING REGION DETERMINANT-BINDING PROTEIN
TITLE OF INVENTION: (CRD-BA) AND ITS NUCLEIC ACID SEQUENCE
FILE REFERENCE: 960296.55131
CURRENT APPLICATION NUMBER: US/09/873,637
CURRENT FILING DATE: 2001-06-04
NUMBER OF SEQ ID NOS: 46
SOFTWARE: PATENTIN VET. 2.0
SEQ ID NO 2
LENGTH: 577
TYPE: PRT
ORGANISM: MAS MUSCULUS
US-09-873-637-2
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US-09-873-637-2
US-09-873-637-2
; Sequence 2, Ap.
; Patent No. US2
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Best Local :
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QVIVKIIGHFYASQMAQRKIRDILAQVKQ-QHQKG-QSNLAQARRK 577
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Similarity 74.1%; Pred. No. 3.3e-159;
34; Conservative 62; Mismatches 74;
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US-09-764-864-1116
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SEQ ID NO 1116
LENGTH: 620
TYPE: PRT
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Best Local Similarity
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                  LSSAEVVVPRDQTPDENDQVVVKITGHFYACQVAQRKIQEILTQVKQHQQQ 566
                                                                ITGPPEAQFKAQGRIFGKLKEENFFNPKEEVKLEXHIRVPSSTAGRVIGKGGKTVNELQN
                                                                                   ITGPPEAQFKAQGRIYGKIKEENFVSPKEEVKLEAHIRVPSFAAGRVIGKGGKTVNELQN
                                                                                                                             FPHHHSYPEQEIVNLFIPTQAVGAIIGKKGAHIKQLARFAGASIKIAPAEGPDVSERMVI
                                                                                                                                             YPQFEQ-SETETVHQFIPALSVGAIIGKQGQHIKQLSRFAGASIKIAPAEAPDAKVRMVI 455
                                                                                                                                                                                            LQAHLIPGLNLNALGLF-----PPTS--GMPPPT-----
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      VELHGKIMEVDYSVSKKLRSRKIQIRNIPPHLQWEVLDGLLAQYGTVENVEQVNTDTETA 142
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LTSAEVIVPRDQTPDENEEVIVRIIGHFFASQTAQRKIREIVQQVKQQEQK 609
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Pred. No. 1.5e-1
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RESULT 13
US-09-764-864-1114
: Sequence 1114, Application US/09764864
: Patent No. US20020132753A1
: GENERAL INFORMATION:

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NAME/KEY: SITE
LOCATION: (127)
OTHER INFORMATION: Xaa e-
NAME/KEY: SITE
LOCATION: (134)
OTHER INFORMATION: Xaa e-
US-09-764-864-1532
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US-09-764-864-1532
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SEQ ID NO 1532
LENGTH: 250
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SEQ ID NO 1114
LENGTH: 261
TYPE: PRT
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                                                                                         Query Match
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Best Local
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TITLE OF INVENTION: Nucleic Acids, Protei
FILE REFERENCE: PTZ23
CURRENT APPLICATION NUMBER: US/09/764,864
CURRENT FILING DATE: 2001-01-17
                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Rosen et al. TITLE OF INVENTION: Nucleic Acids, Proteins, FILE REFERENCE: PTZ23
                                                                                                                                                                                                                                                                                                                               Prior application data removed - NUMBER OF SEQ ID NOS: 1792
                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION NUMBER: US/09/764,864
CURRENT FILING DATE: 2001-01-17
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Local Similarity 74.58;
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Pred. No. 6.9e-65;
26; Mismatches 32;
                                                             Score 919; DB 10;
Pred. No. 1.3e-62;
6; Mismatches. 34;
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RESULT 15
US-09-764-864-1119
Sequence 1119, Application US/09764864
Patent No. US20020132753A1
GENERAL INFORMATION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PT23
CURRENT APPLICATION NUMBER: US/09/764.864
CURRENT APPLICATION DATE: 2001-01-17
Prior application data removed - consult PALM or file wrapper NUMBER OF SEQ ID NOS:-1792
SOFTMARE: Patentin Ver. 2.0
SOFTMARE: Patentin Ver. 2.0
TYPE: PRT
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Search completed: April 16, 2003, 16:32:11 Job time: 45.734 secs
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21.2%; Score 636; DB 10; Length 171;

Best Local Similarity 80.5%; Prod. No. 1.8e-40;

Matches 120; Conservative 16; Mismatches 13; Indels 0; Gaps
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118 ETPDSKVRMXIITGPPXAGEKAGGRIYGKIKEBHFEGPKEEVKLETHIRVPAAAAGRVIG 177
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59 -PPSSVTGAAPYSSFMQAPEOEMVQVFIPAQAVGAIIGKGOHIKOLSRFASASIKLAPP 117
59 -PPSSVTGAAPYSSFMQAPEOEMVQVFIPAQAVGAIIGKKGOHIKOLSRFASASIKIAPP 117
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501, App 11557, A 11558, A 11528, A 11528, A 1694, App 7694, Ap 7694, Ap 7694, Ap 7694, Ap 7697, Ap 92917, A 92917, App 8175, App 8175, App 477, App 471, App

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Title:
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    Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
  2459.5
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('Gqn2_6/ptodata/1/paa/US05_NEW_COMB.pep:*

('Gqn2_6/ptodata/1/paa/US07_NEW_COMB.pep:*

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APPLICANT: Watanabe, Yoshihiro
APPLICANT: Wang, Tongtong
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C19
CURRENT APPLICATION NUMBER: US/10/313,986
CURRENT FILING DATE: 2002-12-04
NUMBER OF SEO ID NOS: 560
SOFTWARE: FastSEO for Windows Version 4.0
SEQ ID NO 176
LENGTH: 579
TYPE: PRT
ORGANISM: Homo sapiens
US-10-313-986-176
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US-10-313-986-176
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Best Local Similarity 100.0%;
Matches 579; Conservative 0;
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                                               EKSITILSTPEGTSAACKSILEIMHKEAQDIKFTEEIPLKILAHNNFVGRLIGKEGRNLK
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US-60-453-135-11528
US-60-453-135-1694
US-10-262-445-40
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US-60-453-135-7694
US-60-453-135-7694
US-60-453-135-15601
US-09-724-6768-92917
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US-09-724-6768-92917
US-09-724-6768-92917
US-60-453-135-8175
US-60-453-135-8175
US-60-453-350-8175
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Pred. No. 4e-
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4e-244;
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Sequence
Sequence
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Gaps

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Sequence 255 Application US/10348119

GENERAL INFORMATION:
APPLICANT: Bristol-Myers Squibb Company
TITLE OF INVENTION: ACTIVITY OF POLYNUCLEOTIDES AND POLYPEPTIDE FOR PREDICTING
TITLE OF INVENTION: ACTIVITY OF COMPOUNDS THAT INTERACT WITH PROTEIN TYROSINE KINASE
TITLE OF INVENTION: AND/OR PROTEIN TYROSINE KINASE PATHWAYS
FILE REFERENCE: D0185 NP
CURRENT APPLICATION NUMBER: US/10/348,119
CURRENT APPLICATION NUMBER: US/10/348,119
CURRENT APPLICATION NUMBER: US/0/50,061
PRIOR APPLICATION NUMBER: US/0/50,061
PRIOR APPLICATION NUMBER: US/0/50,061
PRIOR PILING DATE: 2002-01-18
NUMBER OF SEQ ID NOS: 795
SEC ID NO 255
SEC ID NO 255
LENGTH: 579
TYPE: New Part Of The 
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; ORGANISM: Homo sapiens
US-10-348-119-255
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IGKQGQHIKQLSRFAGASIKIAPAEAPDAKVRMVIITGPPEAQFKAQGRIYGKIKEENFV
                                                       QAHLIPGLNLNALGLFPPTSGMPPPTSGPPSAMTPPYPQFEQSETETVHQFIPALSVGAI
                                                                              QAHLIPGLNLNALGLFPPTSGMPPPTSGPPSAMTPPYPQFEQSETETVHQFIPALSVGAI
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SEQUENCE INFORMATION:
APPLICANT: FOY, Teresa M.
APPLICANT: MCNABS, Andria
APPLICANT: MCNABS, Andria
APPLICANT: MENABS, Andria
APPLICANT: MENABS, ANDRIA
APPLICANT: MENAS, TONYTONY
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
FILE REFERENCE: 210121.455C19
CURRENT APPLICATION NUMBER: US/10/313,986
CURRENT FILING DATE: 2002-12-04
NUMBER OF SED ID NOS: 560
SOFTWARE: PASTSEQ FOR WINDOWS Version 4.0
SOFTWARE: PASTSEQ FOR WINDOWS VERSION 4.0
TYPE: PRT
TYPE: PRT
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US-10-313-986-348
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Matches 577; Conservative
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Best Local :
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61 IELHGKPIEVEHSVPKRORIRKLOIRNIPPHLOWEVLDSLLVQXGVVESCEQVNTDSETA 120
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KIEODTDTKITISPLOELTLYNPERTITYKGNVETCAKAEEEIMKKIRESYENDIASMNL
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                                                                                          EKSITILSTPEGTSAACKSILEIMHKEAQDIKFTEEIPLKILAHNNFVGRLIGKEGRNLK
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APPLICANT: Reed, Steven G.
APPLICANT: Wang, Tongtong
FITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THE
FILE REFERENCE: 210121.455C19
CURRENT APPLICATION NUMBER: US/10/313,986
CURRENT FILING DATE: 2002-12-04
NUMBER OF SEO ID NOS: 560
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 446
LENGTH: 579
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Best Local
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             GHFYACQVAQRKIQEILTQVKQHQQQKALQSGPPQSRRK 579
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                                                                                              IGKQGQHIKQLSRFAGASIKIAPAEAPDAKVRMVIITGPPEAQFKAQGRIYGKIKEENFV
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Pred. No. 5.2e
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RESULT

APPLICANT: Foy, Teresa M. APPLICANT: McNabb, Andri APPLICANT: Watanabe, Yos

Andria

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APPLICANT: FOY, Teresa M.

APPLICANT: McNabb, Andria
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Wang, Tongtong
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455c19
CURRENT APPLICATION NUMBER: US/10/313,986
CURRENT FILING DATE: 2002-12-04
NUMBER OF SEQ ID NOS: 560
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 449
LENGTH: 579
RESULT 6
US-10-313-986-480
J. Sequence 480, Application US/10313986
GENERAL INFORMATION:
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-313-986-449
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APPLICANT: Reed, Steven G.

APPLICANT: Wang, Tongtong

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: COMPOSITIONS OF LUNG CANCER

FILE REFERENCE: 210121. 455C19

CURRENT APPLICATION NUMBER: US/10/313,986

CURRENT FILING DATE: 2002-12-04

NUMBER OF SEQ ID NOS: 560

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 480

SEQ ID NO 480

CHONTH: 579

TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                        RESULT 7
US-10-313-986-486
Sequence 486, Application US/10313986
GENERAL INFORMATION:
APPLICANT: Foy, Teresa M.
APPLICANT: MCNADЬ, Andria
APPLICANT: Watanabe, Yoshiniro
APPLICANT: Watanabe, Yoshiniro
APPLICANT: Wang, Tongtong
APPLICANT: Wang, Tongtong
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C19
CURRENT APPLICATION NUMBER: US/10/313,986
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Best Local Similarity
Matches 577; Conserv
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Pred. No. 5
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5.2e-243;
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                  APPLICANT: FOY, Teresa M.

APPLICANT: MCNABb, Andria

APPLICANT: MATANABC, YOSHHITO

APPLICANT: Reed, Steven G.

APPLICANT: Reed, Steven G.

APPLICANT: Reed, Steven G.

APPLICANT: AMD DIAGNOSIS OF LUNG CANCER

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

TILE REFERENCE: 210121.455C19

CURRENT APPLICATION NUMBER: US/10/313,986

CURRENT FILING DATE: 2002-12-04

NUMBER OF SEQ ID NOS: 560

SEQ ID NO 427

LENGTH: 586

TYPER: DET
                                                                                                                                                                                                                                                                                            RESULT 8
US-10-313-986-427
Sequence 427, Appli
GENERAL INFORMATION
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NUMBER OF SEQ ID NOS: 560 WINDOWS VERSION
SEQ ID NO 486
LENGTH: 589
TYPE: PRT
GRGANIZM: Homo sapiens
US-10-313-986-486
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541 GHFYACQVAQRKIQEILTQVKQHQQOKALQSGPPQSRRK 579
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Similarity 99.7%;
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Pred. No. 5.3e-243;
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Matches
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SOFTWARE: FastSEQ for
SEQ ID NO 484
Query Match 99.4%;
Best Local Similarity 99.3%;
Matches 575; Conservative
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                                                                                                                                                                                                                 APPLICANT: Foy, Teresa M.
APPLICANT: McNabb, Andria
APPLICANT: Watanabe, Yoshihiro
                                                                                                                                                         APPLICANT: Reed, Steven G.
APPLICANT: Wang, Tongtong
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C19
                                                                                                                                  CURRENT APPLICATION NUMBER: US/10/313,986 CURRENT FILING DATE: 2002-12-04
                                                                         TYPE: PRT
                                                                                   LENGTH:
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Pred. No. 1.4e-242;
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NUMBER OF SEQ ID NOS: 97222
SOFTWARE: PatentIn version 3.2
SEQ ID NO 92918
LENGTH 558
TYPE: PRT
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US-09-724-676-92918
                                                                                                                                                                  Query Match
Best Local S
Matches 553
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GENERAL INFORMATION:
APPLICANT: Compugen LTD
TITLE OF INVENTION: Variants of alternative
FILE REFERENCE: 129181.4 Compugen
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99.8%;
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Pred. No. 5e-233;
1; Mismatches
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RESULT 11
US-09-724-676A-92918
Sequence 92918, Application US/09724676A
Sequence 92918, Application US/09724676A
GENERAL INFORMATION:
APPLICANT: COMPUGEN LTD
TITLE OF INVENTION: Variants of alternative splicing
FILE REFERENCE: 129181.4 Compugen
CURRENT APPLICATION NUMBER: US/09/724,676A
CURRENT FILING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 97222
SOFTWARE: Patentin version 3.2
SEQ ID NO 92918
LEDITH: 558
TYPE: PRT
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; ORGANISM: Homo sapiens US-09-724-676-92916
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US-09-724-676-92916
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GENERAL INFORMATION:
APPLICANT: Compugen LTD
TITLE OF INVENTION: Variants of alternative splicing
FILE REFERENCE: 129181.4 Compugen
CURRENT APPLICATION NUMBER: US/09/724,676
CURRENT FILING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 97222
SEQ ID NO 92916
SOFTWARE: PatentIn version 3.2
LENGTH: 492
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Matches 492; Conserv
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                                   IGKQGQHIKQLSRFAGASIKIAPAEAPDAKVRMVIITGPPEAQFKAQGRIYGKIKEENFV
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Sequence 92916, Application US/09724676A
GENERAL INFORMATION:
APPLICANT: Compugen LTD
TITLE OF INVENTION: Variants of alternative sp.
FILE REFERENCE: 129181.4 Compugen
CURRENT APPLICATION NUMBER: US/09/724,676A
CURRENT FILING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 97222
SOFTWARE: Patentin version 3.2
SEQ ID NO 92916
LENGTH: 492
TYPE: PRT
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US-09-724-676A-92916
  RESULT 14
US-10-313-986-500
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Best Local :
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Local Similarity 85.0%;
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                                                                                                            GHFYACQVAQRKIQEILTQVKQHQQQKALQSGPPQSRRK 579
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EKSITILSTPEGTSAACKSILEIMHKEAQDIKFTEEIPLKILAHNNFVGRLIGKEGRNLK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             VVNVTYSSKDQARQALDKLNGFQLENFTLKVAYIPDEMAAQQNPLQQPRGRRGLGQRGSS 180
                                                                                                                                                                                                                                                         IGKQGQHIKQLSRFAGASIKIAPAEAPDAKVRMYIITGPPEAQFKAQGRIYGKIKEENFV
                                                                                                                                                                                                                                                                                                                       QAHLIPGLNLNALGLEPPTSGMPPPTSGPPSAMTPPYPQFEQSETETVHQFIPALSVGAI
                                                                                                                                                                                                                                                                                                                                            QAHLIPGLNLNALGLFPPTSGMPPPTSGPPSAMTPPYPQFEQSETETVHQFIPALSVGAI
                                                                                                                                                                                                                                                                                                                                                                                                    KIEQDTDTKITISPLQELTLYNPERTITVKGNVETCAKAEEEIMKKIRESYENDIASMNL
                                                                                                                                                                                                                                                                                                                                                                                                                     KIEQDTOTKITISPLQELTLYNPERTITVKGNVETCAKAEEEIMKKIRESYENDIASMNL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        VVNVTYSSKDQARQALDKLNGFQLENFTLKVAYIPDEMAAQQNPLQQPRGRRGLGQRGSS
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                                                                                                                                                                                               SPKEEVKLEAHIRVPSFAAGRVIGKGGKTVNELQNLSSAEVVVPRDQTPDENDQVVVKIT 540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EKSITILSTPEGTSAACKSILEIMHKEAQDIKFTEEIPLKILAHNNFVGRLIGKEGRNLK
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                                                                                                                                                                                                                                        IGKQGQHIKQLSRFAGASIKIAPAEAPDAKVRMVIITGPPEAQFKA---
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Pred. No. 9.4e-202;
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                                                                          RESULT 15
US-09-724-676-48617
Sequence 48617, Application US/09724676
GENERAL INFORMATION:
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APPLICANT: Wang, Tongtong
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LÜNG CANCER
FILE REFERENCE: 210121.455C19
CURRENT APPLICATION NUMBER: US/10/313,986
CURRENT FILING DATE: 2002-12-04
NUMBER OF SEQ ID NOS: 560
SOFTWARE: FRSTSEQ for Windows Version 4.0
SEQ ID NO 500
LENGTH: 577
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Natches 435; Conservative 61: Mismatham
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APPLICANT: FOY, Teresa
APPLICANT: McNabb, And
APPLICANT: Watanabe, Y
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APPLICANT: Compugen LTD TITLE OF INVENTION: Variants of alternative FILE REFERENCE: 129181.4 Compugen CURRENT APPLICATION NUMBER: US/09/724,676
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                                                                                                                                                                                                                                                                                                      IKEENFVSPKEEVKLEAHIRVPSFAAGRVIGKGGKTVNELQNLSSAEVVVPRDQTPDEND
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CURRENT FILING DATE: 2000-11-28

NUMBER OF SEQ ID NOS: 97222

SOFTWARE: PATENTIN VERSION 3.2

SEQ ID NO 48617

LENGTH: 572

TYPE: PRT

ORGANISM: Homo sapiens
US-09-724-676-48617
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Search completed: April 16, 2003, 16:31:17 Job time: 72.3054 secs
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                                                                                                                                                                                                                                                                                                                                                             180 SRQ---GSPGSVSKQKPCDLPLRLLVPTQFVGAIIGKEGATIRNITKQTQSKIDVHRKEN 236
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                                                  LKEENFFGPKEEVKLETHIRVPASAAGRVIGKGGKTVNELQNLTAAEVVVPRDQTPDEND 532
                                                                                                                   IKEENFVSPKEEVKLEAHIRVPSFAAGRVIGKGGKTVNELQNLSSAEVVVPRDQTPDEND 533
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Title:
Perfect score:
Sequence:

Run on: OM protein -

Scoring table:

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Minimum DB seq length: 0
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Total number of hits satisfying chosen parameters:
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1: /SIDS2/gcgdata/geneseq/geneseqp-emb1/AA1980.DAT:*

2: /SIDS2/gcgdata/geneseq/geneseqp-emb1/AA1981.DAT:*

3: /SIDS2/gcgdata/geneseq/geneseqp-emb1/AA1981.DAT:*

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Gapop 60.0 , Gapext 60.0
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17-DEC-1999;
30-DEC-1999;
10-JAN-2000;
22-FEB-2000;
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N-PSDB; AAC65900.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Lung cancer; therapy; treatment; human; tumor;
vaccine; detection.
                                                                Wang T, Fan L;
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                                                                                                                                                                                                                                                                                                                                                                         WO200061612-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human lung cancer-associated protein L523S.
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                                                                                                           (CORI-) CORIXA CORP.
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99US-0466396.
99US-0476496.
2000US-0480884.
2000US-0510376.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  immunogenic; cytostatic;
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17-DEC-1999;
30-DEC-1999;
10-JAN-2000;
22-FEB-2000;
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This invention describes a novel isolated polypeptide (!) which comprising an immunogenic portion of a lung tumor protein or variant which have cytostatic activity. The polypeptides and polynucleotides
                                                                                                                                           Isolated polypeptide protein is used for cin a patient -
                                                                                                                                                                                                                                     N-PSDB;
                                                                                                                                                                                                                                                                                                    Wang T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 03-APR-2000;
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ine; detection.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.
                                                                                         261pp; English.
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N-PSDB;
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McNeill
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                                                                                                                                                                                                                                                                          Example 2; Page 267-268; 374pp; English.
                                                                                                                                                                                                                                                                                                                       Polynucleotides encoding lung lung cancer or stimulating an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            03-JAN-2002.
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DB; ABL49119.
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immune response -
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Fanger GR;
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The present invention describes human lung tumour proteins. Human lung tumour proteins and polynucleotides have cytostatic and immunostimulant activities, and can be used in vaccine production. Compositions comprising the lung tumour proteins, polynucleotides, antibodies, fusion proteins, cell populations, or antigen presenting cells that express the lung tumour proteins are useful for treating lung cancer or stimulating an immune response. ABL49300 and ABB74946 to ABL79070 represent sequences used in the exemplification of the present

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02-AUG-2000; 2000US-0630940.
21-AUG-2000; 2000US-0643597.
15-SEP-2000; 2000US-0662786.
09-OCT-2000; 2000US-035705.
12-DEC-2000; 2000US-035705.
07-MAY-2001; 2001US-0850716.
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McNeill
                                                                                                                                                                                                                                                                   The present invention describes human lung tumour proteins. Human lung tumour proteins and polynucleotides have cytostatic and immunostimulant activities, and can be used in vaccine production. Compositions comprising the lung tumour proteins, polynucleotides, antibodies, fusion proteins, T cell populations, or antigen presenting cells that express the lung tumour proteins are useful for treating lung cancer or stimulating an immune response. ABL49959 to ABL49300 and ABP74946 to ABB7570 represent sequences used in the exemplification of the present
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N-PSDB; ABL49254.
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19; Conser
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Pred. No.
                                                                                                                      Score 19; DB 23;
Pred. No. 2.1e-11;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       immunostimulant; vaccine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ID NO:348
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                                                                                                                                               Length 579;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         useful for treating
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Fanger GR;
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ABB75054
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  01-MAY-2002
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McNeill
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12-DEC-2000;
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02-AUG-2000;
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15-SEP-2000;
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                                                                                                 ABB75054 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           invention
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19; Conser
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PD, Fanger N,
TS, Carter D,
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                                                                                                                                                                                                                                                                                                                                                                                                                             579 AA;
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; 2000US-0643597.
; 2000US-0662786.
; 2000US-0685696.
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                                                                                                   Protein;
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Retter MW, Ma
Watanabe Y, P
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Pred. No.
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Peckham DW;
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RESULT 7
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Best Local S
Matches 19
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02-AUG-2000;
21-AUG-2000;
15-SEP-2000;
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12-DEC-2000;
07-MAY-2001;
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McNeill
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                 WO200200174-A2
                                                                                                                     01-MAY-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 2; Page 368-369; 374pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Polynucleotides encoding lung lung cancer or stimulating an
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                                                                                                                                            ABB75048;
                                                                                                                                                                                                                                                                                                                Sequence
                                       Homo sapiens.
                                                                         Human;
                                                                                              Human lung tumour L523s recombinant protein sequence SEQ ID NO:427.
                                                                                                                                                                  ABB75048 standard;
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                                                             lung tumo response.
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l Similarity 100
19; Conservative
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PD, I
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                                                                                                                                                                                                                                                                                                                579
                                                                         tumour;
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Fanger N, Retter MW, Carter D, Watanabe Y,
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2000US-0630940
2000US-0643597
2000US-0662786
2000US-0682786
2000US-0735705
2000US-0735705
                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                AA;
                                                                                                                                                                  Protein;
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                                                                         cancer;
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                                                                                                                                                                                                                                                                   Score 19; DB 23;
Pred. No. 2.1e-11;
Mismatches 0;
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                                                                         cytostatic; immunostimulant; vaccine;
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, Marnerakis M,
Y, Peckham DW;
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Fanger GR;
                                                                                                                                                                                                                                                                    Indels
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Best Local Similarity 100.0%;
Matches 19; Conservative (
                 28-JUN-2000;
02-AUG-2000;
21-AUG-2000;
15-SEP-2000;
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02-AUG-2000;
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15-SEP-2000;
19-OCT-2000;
12-DEC-2000;
07-MAY-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                              The present invention describes human lung tumour proteins. Human lung tumour proteins and polynucleotides have cytostatic and immunostimulant activities, and can be used in vaccine production. Compositions comprising the lung tumour proteins, polynucleotides, antibodies, fusion proteins, T cell populations, or antipen presenting cells that express the lung tumour proteins are useful for treating lung cancer or stimulating an immune response: ABIA8959 to ABIA9300 and ABB74946 to ABB78970 represent sequences used in the exemplification of the present
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N-PSDB; ABL49283.
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McNeill PD, Fanger N. Retter MM, Marnerakis M.
VedVick TS, Carter D. Watanabe Y. Peckham DW;
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                                                                                                                                            Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                      invention.
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                                                                                                                                                                                                                                                                                                                            44
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2000US-0643597.
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2000US-0735705.
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immune response *
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Henderson RA; Fanger GR;

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02-AUG-2000; 2000US-0633940.
21-AUG-2000; 2000US-0643597.
15-SEP-2000; 2000US-0645786.
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12-DEC-2000; 2000US-0735705.
07-MAY-2001; 2001US-0850716.
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12-DEC-2000;
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McNeill
                                Wang T,
McNeill
Vedvick
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human lung
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-MAY-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 2; Page 168; 374pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Polynucleotides encoding lung lung cancer or stimulating an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2002-090513/12
                                                                                                                                                                                                                                                                                                                                                                                                                      28-JUN-2001; 2001WO-US21065
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                03-JAN-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABB75027;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABB75027 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Vedvick
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                                                                                                                                             (CORI-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1mmune
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TGYAFVDCPDESWALK 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 response
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       lung tumour; lung cancer; cytostatic; immunostimulant; vaccine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Wang A, Skeiky YAW, Li SX, Kalos MD, PD, Fanger N, Retter MW, Marnerakis M, TS, Carter D, Watanabe Y, Peckham DW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORIXA CORP.
                             Wang A, Skeiky YAW,
PD, Fanger N, Rette
TS, Carter D, Watan
                                                                                                                                             CORIXA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              tumour L523S peptide SEQ ID NO:400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               18 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; 2000US-0685696.
; 2000US-0735705.
; 2001US-0850716.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              84.2%;
100.0%;
                                YAW, Li SX, Kalos MD, Retter MW, Marnerakis M Watanabe Y, Peckham DW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 16; DB; Pred. No. 1.4
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 23; Le.
J. 1.4e-09;
O;
                                                             Z
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                                                          Henderson F
Fanger GR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0;
                                                                                       RA;
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      ABB75061

AC ABE

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XX Hun

KW Limm

XX WO3

XX WO3

XX UIT

PF 28-

PR 21-

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Best Local
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02-AUG-2000;
21-AUG-2000;
15-SEP-2000;
09-OCT-2000;
12-DEC-2000;
The present invention describes human lung tumour proteins. Human lung tumour proteins and polynucleotides have cytostatic and immunostimulant activities, and can be used in vaccine production. Compositions
                                                                                                                                                                                                                                                                                                               Wang T,
McNeill
Vedvick
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
                                                                                                                Claim 2;
                                                                                                                                                                    Polynucleotides encoding lang cancer or stimulating
                                                                                                                                                                                                                                                                                                                                                                                                                         (CORI-) CORIXA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                07-MAY-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-MAY-2002
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16; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   lung tumour;
                                                                                                                                                                                                                                                                                                           PD,
                                                                                                                Page 167; 374pp; English.
                                                                                                                                                                                                                                                                                                                                                               Wang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20 AA;
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The present invention describes human lung tumour proteins. Human lung tumour proteins and polynucleotides have cytostatic and immunostimulant activities, and can be used in vaccine production. Compositions comprising the lung tumour proteins, polynucleotides, antibodies, fusion proteins, T cell populations, or antipen presenting cells that express the lung tumour proteins are useful for treating lung cancer or stimulating an immune response. ABIA8959 to ABIA9300 and ABB74946 to ABB75070 represent sequences used in the exemplification of the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 2; Page 348; 374pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Polynucleotides encoding lung lung cancer or stimulating an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human lung tumour L523S epitope SEQ ID NO:457
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABB75061 standard; Peptide;
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                                                                                                                               2000US-0606421.
2000US-0630940.
2000US-0643597.
2000US-0662786.
2000US-0685696.
2000US-0735705.
2000US-0850716.
  g A, Skeik
Fanger N,
Carter D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                          2001WO-US21065
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                             Skeiky
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     lung cancer; cytostatic; immunostimulant; vaccine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               84.2%;
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y YAW, Li Sx,
Retter MW, Y
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 tumor polypeptides,
immune response -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ã
       SX, Kalos MD,
, Marnerakis M,
Y, Peckham DW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            useful for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                           Henderson RA;
Fanger GR;
                         Fanger
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0;
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0,

lung ng an

immune

tumor polypeptides,
immune response -

useful

for

treating

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Вb QY

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RESULT 1
ABG21963
ID ABG21963
IT ABG21963
IT ABG21963
IT ABG21963
IT ABG21963
IT ABG21963
IT ABG21
AC 
The invention relates to isolated polynucleotide (I) and copyoptide (II) sequences. (I) is useful as hybridisation probes, copyoptide (II) sequences. (I) is useful as hybridisation probes, complymerase chain reaction (PCR) primers, oligomers, and for chromosome can depend mapping, and in recombinant production of (II). The copyoptides are also used in diagnostics as expressed sequence tags complymeration of the therapy techniques complymeration of the treat disease states involving complyment (II) is useful in gene therapy techniques (CC (II). (II) is useful for generating antibodies against it, detecting or complyment (II) and its binding partners are useful in medical a food supplement (II) and its binding partners are useful for treating complyment (II) and its binding partners are useful for treating complyment (II). (I) and (II) are useful for treating complyment (II) and (II) are useful in medical complyment (II) are useful in medical complyment (II) and (II) are useful in medical complyment (II) are useful for treating or as molecular weight markers and as a food supplement (II) and III and III are useful for the treating or as molecular weight markers and as a food as a sequence of the type of data
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local S
Matches 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            comprising the lung tumour proteins, polynucleotides, antibodies, fusion proteins, T cell populations, or antigen presenting cells that express the lung tumour proteins are useful for treating lung cancer or stimulating an immune response. ABIA8959 to ABIA9300 and ABB74946 to ABIA95070 represent sequences used in the exemplification of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New isolated polynucleotide and encoded polypeptides, useful indiagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits and to assess biodiversity
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 20; SEQ ID No 52322; 103pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Drmanac
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    31-MAR-2000; 2000US-0540217
23-AUG-2000; 2000US-0649167
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            N-PSDB;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              30-MAR-2001; 2001WO-US08631.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11-OCT-2001.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel human diagnostic protein #21954.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      18-FEB-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABG21963 standard;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2001-639362/73.
DB; AAS86150.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 Similarity
16; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RT, Liu C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     84.28;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .08;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0;
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1.5e-09;
0;
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Best Local S
Matches 15
      Query Match 68.4%; S
Best Local Similarity 100.0%;
Matches 13; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Wang T,
McNeill
Vedvick
                                                                                                          Sequence
                                                                                                                                                                                                                                                                                                                                                                                                              Claim
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28-JUN-2000; 2000US-0630940
02-AUG-2000; 2000US-0630940
21-AUG-2000; 2000US-0643597
15-SEP-2000; 2000US-062786
12-DEC-2000; 2000US-062786
12-DEC-2000; 2000US-062786
07-MAY-2001; 2000US-073705
07-MAY-2001; 2001US-0850716
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present invention describes human lung tumour proteins. Human lung tumour proteins and polynucleotides have cytostatic and immunostimulant activities, and can be used in vaccine production. Compositions comprising the lung tumour proteins, polynucleotides, antibodies, fusion proteins, cell populations, or antisen presenting cells that express the lung tumour proteins are useful for treating lung cancer or stimulating an immune response. ABIA useful for treating tumour proteins are useful for treating an immune response. ABIA BAS 5070 represent sequences used in the exemplification of the present and control of the present sequences used in the exemplification of the present control of the present sequences used in the exemplification of the present activities.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        diagnostic amino acid sequences of the invention. Note: The sequence data for this patent did not appear in the printed. specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences.
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PD, Fanger N,
FS, Carter D,
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Retter MW, Marnerakis M,
Watanabe Y, Peckham DW;
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Score 13; DB 23;
Pred. No. 1.5e-06;
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ABG21961 standard; Protein;
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Best Local Similarity 100.0%; F
Matches 11; Conservative 0;
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02-AUG-2000;
21-AUG-2000;
15-SEP-2000;
09-OCT-2000;
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McNeill PD, Fanger N, Rette
Vedvick TS, Carter D, Watan
                                                                                                                                                                                                                                                                                                                                                                                              Claim 2; Page 168; 374pp; English.
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N-PSDB; ABL49300.
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                                                                                                                                                                                                         Sequence
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2000US-0630940.
; 2000US-0643597.
; 2000US-0662786.
; 2000US-0662786.
; 2000US-0735705.
; 2000US-0850716.
                                                                                                                                                                                                         AA;
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Retter MW, Marnerakis M,
Watanabe Y, Peckham DW;
   209
                                                                                                                                           Score 11; DB 23; pred. No. 9.6e-05; 0; Mismatches 0;
   AΑ
                                                                                                                                                                       Length 11;
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                                                                                                                                           Gaps
                                                                                                                                           0,
                                                                                                            Дb
                                                                                                                                     QY
                                                                                                                                                                                                                                        RESULT 15
                                                                                                                                                                                                                                                             The invention relates to isolated polynucleotide (I) and coppeptide (II) sequences. (I) is useful as hybridisation probes, polymerase chain reaction (PCB) primers, oligomers, and for chromosome CC and gene mapping, and in recombinant production of (II). The polynucleotides are also used in diagnostics as expressed sequence tags (c) or restore normal activity of (II) is useful in gene therapy techniques (II). (II) is useful for generating antibodies against it, detecting or quantitating a polypeptide in tissue, as molecular weight markers and as a food supplement (II) and its binding partners are useful in medical imaging of sites expressing (II). (I) and (II) are useful for treating CC disporders involving aberrant protein expression or biological activity. CC The polypeptide and polynucleotide sequences have applications in diagnostics, forensics, gene mapping, identification of mutations cand to produce other types of data and products dependent on DNA and CC amino acid sequences of the invention.

Candostic amino acid sequences of the invention. Note: The sequence data for this patent did not appear in the printed control of the control of the polypophide of the format directly from WIPO CC at fly. but on the printed control of the control of the sequence of the invention.
                                                                                                                                                                                          Query Match
Best Local :
                                                                                                                                                                           Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New isolated polynucleotide and encoded polypeptides, useful in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits and to assess biodiversity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             31-MAR-2000; 2000US-0540217
23-AUG-2000; 2000US-0649167
 ABG12593;
                                ABG12593 standard; Protein; 266 AA
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Note: The sequence data for this patent did not appear in the printed CC specification, but was obtained in electronic format directly from WIFO CC at fig. but the printed content the printed CC content the printed content content content content content directly from WIFO CC at fig. and to the printed content c
                                                                                                                                                                                                         Ouery Match 52.6%; Score 10; DB 22; Length 266; Best Local Similarity 100.0%; Pred. No. 0.012; Matches 10; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New isolated polynucleotide and encoded polypeptides, useful in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits and to assess biodiversity
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N-PSDB; AAS76780.
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23-AUG-2000; 2000US-0649167.
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3 188 2 US-08-933-750C-39 Sequence 39, 188 4 US-09-234-613-39 Sequence 39, 234 188 4 US-09-234-613-39 Sequence 106, 3 204 4 US-08-173-510B-84 Sequence 84, 183 232 1 US-08-458-218-82 Sequence 84, 183 232 1 US-08-458-218-82 Sequence 84, 183 236 3 US-08-450-109A-35 Sequence 84, 183 253 4 US-09-180-109A-35 Sequence 35, 183 253 4 US-09-180-109A-31 Sequence 38, 183 259 2 US-08-997-362-98 Sequence 98, 183 259 3 US-08-97-362-98 Sequence 98, 183 259 4 US-09-25-555-28 Sequence 98, 183 259 4 US-09-25-456-98 Sequence 98, 183 259 4 US-09-205-456-98 Sequence 98, 183 259 4 US-08-965-056-21 Sequence 98, 183 259 259 259 259 259 259 259 259 259 259)	5	Ŋ	ۍ.	5	ъ	ر.	ហ	υī	ហ	ъ	თ	ហ	u	ഗ	υī	ъ	ر.	رب ر
2 US-08-933-750C-39 Sequence 39, 4 US-09-234-613-39 Sequence 306, 4 US-08-965-056-106 Sequence 106, 1 US-08-173-510B-84 Sequence 84, 1 US-08-173-510B-84 Sequence 84, 2 US-08-450-497-84 Sequence 84, 2 US-08-180-109A-35 Sequence 15, 2 US-08-97-362-98 Sequence 98, 2 US-08-95-056-98 Sequence 98, 2 US-09-205-426-98 Sequence 98, 2 US-09-205-426-98 Sequence 98, 2 US-08-965-056-21 Sequence 38, 2 US-08-965-056-21 Sequence 5, At 1 US-08-690-457-5		26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
-08-933-750C-39 Sequence 39, 709-234-613-39 Sequence 106, 08-1965-056-106 Sequence 106, 08-173-510B-84 Sequence 84, 708-450-479-84 Sequence 84, 708-450-479-84 Sequence 15, 709-180-109A-35 Sequence 15, 709-180-109A-31 Sequence 35, 709-180-109A-31 Sequence 98, 709-265-056-98 Sequence 98, 709-265-056-98 Sequence 98, 709-265-056-38 Sequence 98, 709-265-056-38 Sequence 98, 709-265-056-38 Sequence 21, 708-690-457-5 Sequence 5, Applied to the control of the c		277	269	267	259	259	259	259	259	259	254	253	236	232	232	232	204	188	188
-08-933-750C-39 Sequence 39, 709-234-613-39 Sequence 106, 08-1965-056-106 Sequence 106, 08-173-510B-84 Sequence 84, 708-450-479-84 Sequence 84, 708-450-479-84 Sequence 15, 709-180-109A-35 Sequence 15, 709-180-109A-31 Sequence 35, 709-180-109A-31 Sequence 98, 709-265-056-98 Sequence 98, 709-265-056-98 Sequence 98, 709-265-056-38 Sequence 98, 709-265-056-38 Sequence 98, 709-265-056-38 Sequence 21, 708-690-457-5 Sequence 5, Applied to the control of the c		ب	4	4	4	4	4	w	N	N	4	4	w	N	1	H	4	4	2
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ALIGNMENTS

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; TYPE: PRT; ORGANISM: Homo sapiens US-09-643-597-176
                                                                                                                                                          RESULT 2
US-09-643-597-348
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US-09-643-597-176
                                                                                                           Sequence 348, Application US/09643597 Patent No. 6426072 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/09/643,597
CURRENT FILING DATE: 2000-08-21
NUMBER OF SEQ ID NOS: 369
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 176
LENGTH: 579
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: Wang, T
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Henderson, Robert A.
APPLICANT: McNeill, Patricia D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C11
   APPLICANT:
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                                                                                                                                                                                                                            TGYAFVDCPDESWALKAIE
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l Similarity 100.0%;
19; Conservative 0
Hosken, Nancy Fanger, Gary R. Li, Samuel X.
                                                                           Wang, Tong
Fan, Liqun
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Fanger, Gary R.
Li, Samuel X.
                                             Kalos, Michael D.
Bangur, Chaitanya
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Skeiky, Yasir A.W.
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Fan, Liqun
Kalos, Michael D.
                                                                                            Tongtong
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Pred. No.
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Wang, A. Skeiky,

Aijun

Yasir A.W

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: Sequence 27, Application US/08973273

: Patent No. 6140085
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; ORGANISM: Homo sapiens
US-09-643-597-348
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TYPE: PRT; ORGANISM: Mus musculus US-09-261-855-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-261-855-2
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SEQ ID NO 348
LENGTH: 579
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Best Local S
Matches 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 2, Application US/09261855A Patent No. 6255055 GENERAL INFORMATION:
APPLICANT: Ross, Jeffrey
                                                                                                                                                                                                                                                        Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local :
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NUMBER OF SEQ ID NOS: 46
SOFTWARE: PATENTIN Ver. 2.0
SEQ ID NO 2
LENGTH: 577
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: ROSS, Jeffrey
TITLE OF INVENTION: THE C-MYC CODING REGION DETERMINANT-BINDING PROTEIN
TITLE OF INVENTION: (CRD-BP) AND ITS NUCLEIC ACID SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/09/643,597
CURRENT FILING DATE: 2000-08-21
NUMBER OF SEQ ID NOS: 369
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PPLICANT: Henderson, Robert A.

RPPLICANT: McNeill, Patricia D.

"ITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

"ITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

"ILE REFERENCE: 210121.455C11
                                                                                                                                                                      APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                     CORRESPONDENCE ADDRESS:
                                                                                                                                        APPLICANT: Lister, Clare K
TITLE OF INVENTION: Genetic
NUMBER OF SEQUENCES: 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      y Match 100.0%; Score 19; Local Similarity 100.0%; Pred. No. nes 19; Conservative 0; Mismatch
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                                                                                                                                                                                                                                                                                                                                                              38 GYAFVDCPDE 47
                                                                                    STREET:
   MEDIUM TYPE:
                                                                                                   ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                           2 GYAFVDCPDE 11
                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity 100 es 10; Conservative
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                                     COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TGYAFVDCPDESWALKAIE 55
                                                                                                                                                                                                                                        INFORMATION:
                                                  Arlington
: Virginia
READABLE FORM:
TYPE: Floppy disk
                                                                                  E: Nixon & Vanderhye P.C
1100 No. 6140085th Glebe
                                                                                                                                                                                       MacKnight, Richard C
Bancroft, Ian
                                 United States of America
                                                                                                                                                                                                                         Caroline
                                                                                                                                                                                                                                                                                                                                                                                                                                            52.6%;
                                                                                                                                    Genetic Control of Flowering: 31
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Pred. No.
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                                                                                      Road,
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0.0038;
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Best Local Similarity 100.

Conservative
APPLICATION NUMBER: US/07/881,075
FILING DATE: 19920511
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Oblon, No. 5444149man F.
NAME: Oblon, No. 5444149man F.
REGISTRATION UNMBER: 24,618
REFERENCE/DOCKET NUMBER: 714-154-0
TELEPHONE: (703)521-4500
TELEPHONE: (703)521-4500
TELEPHONE: (703)486-2347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
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INFORMATION FOR SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: PCT/GB
APPLICATION NUMBER: PCT/GB
FILING DATE: 03-JUN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 95
APPLICATION NUMBER: 02-UN-1995
                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: LEVINE, TODD
TITLE OF INVENTION: RECOGNITION, BINDING AND EXPRESSION OF
TITLE OF INVENTION: RECOGNITION, BINDING AND EXPRESSION OF
TITLE OF INVENTION: INVOLVED IN CELL GROWTH, NEOPLASIA AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: 02-JUN-1995
ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: KEENE, JACK D. APPLICANT: KING, PETER H. APPLICANT: LEVINE, TODD
                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                         STREET: 1755 Jes
CITY: Arlington
STATE: Virginia
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                             COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: MS Mary J Wilson REGISTRATION NUMBER: 32, REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ), Application US/07881075
5444149
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1755 Jefferson Davis Highway, Fourth Floor
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (703)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    01-DEC-1997
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) 816-4100
) B10-4100
) ID NO: 27:
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Pred. No.
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Query Match
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RESULT 7
US-08-478-675-10
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                                                                                                                        Matches
                                                                                                                                                  Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM FC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT:
                                                                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                      REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 714
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                    NAME: Oblon, No. 5525495man F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   42 GYAFVD 47
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CITY: Arlington
STATE: Virginia
                                                              42 GYAFVD 47
                                                                                                                                                                                                                               TYPE: amino acids
                                                                                                                                                                                                                                                                                            TELEFAX: (703)413-2220
TELEX: 248855 OPAT UR
                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 15-SEP-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT ADDRESSEE: P.C.
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                                                                                                                        Local Similarity
les 6; Conserv
                                                                                                                                                                                                                  TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER:
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                                                                             2 GYAFVD 7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     E: P.C.
1755 Jefferson Davis Highway, Fourth Floor
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         KEENE, JACK D.
KING, PETER H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LEVINE, TODD
                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          U.S.A.
                                                                                                                                                                                                                    unknown
                                                                                                                                                                                                                                                                                                                          (703)413-3000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               METHODS AND COMPOSITIONS USEFUL IN THE RECOGNITION, BINDING AND EXPRESSION OF RIBONUCLEIC ACIDS INVOLVED IN CELL GROWTH, NEOPLASIA AND IMMUNOREGULATION
                                                                                                                                      31.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           31.6%; Score 6; DB 100.0%; Pred. No. 10, tive 0; Mismatches
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                                                                                                                                                                                                                                                                             10:
                                                                                                                        Score 6; DB pred. No. 10; Mismatches
                                                                                                                                                                                                                                                                                                                                                         714-158-0 CIP
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US-09-134-001C-3183
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             Sequence 3183, Application US/09134001C

Patent No. 6380370

GENERAL INFORMATION:

APPLICANT: Lynn Doucette-Stamm et al

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCC

TITLE OF INVENTION: REPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: GTC-007

CURRENT APPLICATION NUMBER: US/09/134,001C

CURRENT FILING DATE: 1998-08-13

PRIOR APPLICATION NUMBER: US 60/064,964

PRIOR APPLICATION NUMBER: US 60/055,779

PRIOR FILING DATE: 1997-11-08

PRIOR FILING DATE: 1997-08-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 10, Application US/08478675 Patent No. 5773246
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEX: 248855 OPAT UR INFORMATION FOR SEQ ID NO:
NUMBER OF SEQ ID NOS: 5674
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: KEENE, JACK D. APPLICANT: KING, PETER H. APPLICANT: LEVINE, TODD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 15-SEF LL.

FILING DATE: 15-SEF LL.

ATTORNEY/AGENT INFORMATION:

Ohlon, No. 5773246man F.

24.618
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FILING DATE: 07-JUN-1996
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/120,827
FILING DATE: 15-SEP-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 80 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER: 71 TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: Arlington STATE: Virginia COUNTRY: U.S.A.
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42 GYAFVD 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity hes 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: (703)413-3000
TELEFAX: (703)413-2220
TELEX: 248855 OPAT UR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE:
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SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%;
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SEQ ID NO 3183 LENGTH: 443

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RESULT 10
US-08-902-623-3
; Sequence 3, Application US/08902623
; Patent No. 5922545
; GENERAL INFORMATION:
; APPLICANT: MATTHRAKIS, LARRY C.
; APPLICANT: DOWER, WILLIAM J.
; APPLICANT: NVENTION: IN VITRO PEPTIDE AND ANTIBODY DISPLAY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; ORGANISM: Staphylococcus epidermidis US-09-134-001C-3821
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
APPLICANT: LYnn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCCCUS
TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
TLE REFERENCE: GTC-07
CURRENT APPLICATION NUMBER: US/09/134,001C
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR APPLICATION NUMBER: US 60/055,779
PRIOR FILING DATE: 1997-08-14
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 3821
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 3821, Application US/09134001C Patent No. 6380370
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Best Local Similarity 100.0%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: IN VITRO PEPTIDE AND ANTIBOI TITLE OF INVENTION: LIBRARIES NUMBER OF SEQUENCES: 15 CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND AND TOWNSEND AND CREW LLP STREET: TWO EMBARCADERO CENTER, 8TH FLOOR CITY: SAN FRANCISCO
                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PAtentin Release #1.0, Version
CURRENT APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/586,176
FILING DATE: 17-JAN-1996
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252 TGYAFV 257
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                                                                     CLASSIFICATION:
                                                                                       FILING DATE:
                                                                                                           APPLICATION NUMBER:
                                                                                                                                                                                                                                                                COUNTRY: U.S.A. ZIP: 94111-3834
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100.0%; Pred. N
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o. 43;
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Sequence 22, Application US/08580031A
Patent No. 6428977
GERERAL INFORMATION:
APPLICANT: Graff, Jonathan M.
APPLICANT: Jin, Ping
APPLICANT: Melton, Douglas A.
TITLE OF INVENTION: The "signalin" Family of TGFb Signal
TITLE OF INVENTION: Transduction Proteins, and Uses Related Thereto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 11
US-08-580-031A-22
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PRIOR APPLICATION DATA:

APPLICATION DATA:

ETLING DATE:

ETLING DATE:

ETLING DATE:

BY 25-CCT-1994

ATTORNET/AGENT INFORMATION:

NAME:

NAME:

DUNN, TRACY J.

REGISTRATION NUMBER:

AT REFERENCE/DOCKET NUMBER:

TELECOMMUNICATION INFORMATION:

TELEPHONE:

TELEPHONE:

TELEPAX:

(415) 326-2420

INFORMATION FOR SEQ ID NO:

SEQUENCE CHARACTERISTICS:

LENGTH:

B amino acids

TYPE:

amino acids
           MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC COS/MS-DOS
SOFTWARE: ASCII (text)
CURRENT APPLICATION DATA:
APPLICATION UMBER: US/08/580,031A
FILING DATE: 20-DEC-1994
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Vincent, Matthew P.
REGISTRATION NUMBER: ONV-019.01
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 26.3
Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley, Hoag & Eliot
STREET: One Post Office Square
                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES:
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FILING DATE: 02-SEP-1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                       STREET: One P
CITY: Boston
STATE: MA
TELEPHONE:
                                                                                                                                                                                                                                                                                                                         COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: amino acid
STRANDEDNESS: sin
TOPOLOGY: linear
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linear
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100.0%; Pr
0;
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TELEFAX: (617)832-7000
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 44 amino acids

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Qy
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                                                                                                                                                                                                 Query Match
Best Local Similarity
Tatches 5; Conserve
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                                                                                               RESULT 13
US-09-227-357-241
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Best Local Similarity
Matches 5; Conserv
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                                                     GENERAL INFORMATION:
                                                                   Sequence 241, Application US/09227357 Patent No. 6342581
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
             APPLICANT: Fischer et al.
TITLE OF INVENTION: 123 Human Secreted Proteins
FILE REFERENCE: PZ010P1
CURRENT APPLICATION NUMBER: US/09/227,357
                                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
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ADDRESSEE: Foley, Hoag & Eliot
STREET: One Post Office Square
                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 44 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: ASCII (text)
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Meiton, Douglas A.
TITLE OF INVENTION: The "signalin" Family of TGFb Signal
TITLE OF INVENTION: Transduction Proteins, and Uses Related Thereto
                                                                                                                                                                                                                                                                                     TOPOLOGY: 1:
MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                   TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES:
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OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                   15 LKAIE 19
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                                                                                                                                                                                                                                                                                                                                                                                                                 REGISTRATION NUMBER: 36,709 REFERENCE/DOCKET NUMBER: ON
                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Vincent, Matthew P. REGISTRATION NUMBER: 36,7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 2 CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY:
                                                                                                                                                         27 LKAIE 31
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Woolf,
                                                                                                                                                                                                                  Conservative
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(617)832-7000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    USA
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20-DEC-1994
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100.0%; Prr
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SOFTWARE: PatentIn Ver.
SEQ ID NO 241
LENGTH: 48
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EARLIER FILING DATE: 1997-09-12
NUMBER OF SEQ ID NOS: 672
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APPLICATION NUMBER: 60/051,925
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                                                                                                                                APPLICATION NUMBER: 60/058,660
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: 60/051,918 FILING DATE: 1997-07-08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 1997-07-08
APPLICATION NUMBER: 60/051,930
FILING DATE: 1997-07-08
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APPLICATION NUMBER: 60/052,732
FILING DATE: 1997-07-08
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                                                                                                                    FILING DATE: 1997-09-12
                                                                                                                                                          APPLICATION NUMBER: 60/058,664 FILING DATE: 1997-09-12
                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 60/055,984
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                                                                                                                                                                                                                  APPLICATION NUMBER:
                                                                                                                                                                                                                                                     APPLICATION NUMBER: 60/055,954
                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: 60/055,684
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FILING DATE: 1997-08-18
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ORGANISM: Homo sapiens

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; Sequence 544, Application US/09227357
; Patent No. 6342581
                          RESULT 15
US-09-227-357-544
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US-08-580-031A-32
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; NAMEZKBY: SITE
; LOCATION: (48)
; OTHER INFORMATION: Xaa
US-09-227-357-241
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Best Local S
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Best Local Similarity 100.
Conservative
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Patent No
                                                                                                                                                                                                                                                                                       TELEFAX: (617)832-7000
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 50 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                             NAME: Vincent, Matthew P.
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: 0NV-019.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)832-1000
TELEFAX: (617)832-7000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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ADDRESSEE: Foley, Hoag & Eliot
STREET: One Post Office Square
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: ASCII (text)
CURRENT APPLICATION DATA:
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TITLE OF INVENTION: The "signalin" Family of TGFb Signal
TITLE OF INVENTION: Transduction Proteins, and Uses Related Thereto
                                                                                                                                                                                                                    FRAGMENT TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Graff, Jonathan M.
APPLICANT: Woolf, Tod M.
APPLICANT: Jin, Ping
APPLICANT: Melton, Douglas A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES:
                                                                                     33 LKAIE 37
                                                                                                              15 LKAIE 19
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                                                                                                                                            Local Similarity
les 5; Conserv
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N: 536
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100.0%; Pr
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100.0%; Pred. No.
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; Pred. No. 75
0; Mismatches
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o. 78;
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5. 75;
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EARLIER APPLICATION NUMBER: 60/055,984
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,954
EARLIER APPLICATION NUMBER: 60/058,785
EARLIER APPLICATION NUMBER: 60/058,785
EARLIER FILING DATE: 1997-09-12
EARLIER FILING DATE: 1997-09-12
EARLIER APPLICATION NUMBER: 60/058,664
EARLIER APPLICATION NUMBER: 60/058,660
EARLIER APPLICATION NUMBER: 60/058,660
EARLIER APPLICATION NUMBER: 60/058,661
EARLIER FILING DATE: 1997-09-12
EARLIER FILING DATE: 1997-09-12
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EARLIER APPLICATION NUMBER: 60/052,793
EARLIER APPLICATION NUMBER: 60/051,925
EARLIER APPLICATION NUMBER: 60/051,925
EARLIER APPLICATION NUMBER: 60/051,925
EARLIER FILING DATE: 1997-07-08
EARLIER FILING DATE: 1997-07-08
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EARLIER APPLICATION NUMBER: 60/051,931
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051,931
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051,916
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/052,793
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/052,793
EARLIER APPLICATION NUMBER: 60/052,793
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/052,793
EARLIER FILING DATE: 1997-07-08
EARLIER FILING DATE: 1997-07-08
EARLIER FILING DATE: 1997-08-18
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EARLIER APPLICATION NUMBER: PCT/US98/13684
EARLIER FILING DATE: 1998-07-07
EARLIER APPLICATION NUMBER: 60/051,926
EARLIER APPLICATION NUMBER: 60/051,926
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R APPLICATION NUMBER: 60/05
R FILING DATE: 1997-08-18
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F FILING DATE: 1997-08-18
R FILING DATE: 1997-08-18
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L997-08-18
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GenCore version 5.1.4_p5_4578 Copyright (c) 1993 - 2003 Compugen Ltd.

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Minimum DB seq length: 0
Maximum DB seq length: 2000000000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Word size :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Scoring table:
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Perfect score:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    Published_Applications_AA:*
// Cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
// Cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
// Cgn2_6/ptodata/1/pubpaa/US06_REW_PUB.pep:*
// Cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
// Cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
// Cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
// Cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
// Cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
// Cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Query Match Length DB	DB	Ω	Description
1	19	100.0	579	10	us-09-735-705-176	Sequence 176, App
Ŋ	19	100.0	579	10	US-09-735-705-348	
ω	19	100.0	579	10	US-09-850-716A-176	176,
4	19	100.0	579	10	US-09-850-716A-348	348,
u	19	100.0	579	10	US-09-897-778-176	176,
6	19	100.0	579	10	US-09-897-778-348	348,
7	19	100.0	579	10	US-09-897-778-446	446,
89	19	100.0	579	10	US-09-897-778-449	449,
9	19	100.0	586	10	US-09-850-716A-427	427,
10	19	100.0	586	10	US-09-897-778-427	-
11	16	84.2	18	10	US-09-897-778-465	465,
12	16	84.2	20	10	US-09-735-705-400	
13	16	84.2	20	10	US-09-850-716A-400	400,
14	16	84.2	20	10	us-09-897-778-400	•
15	16	84.2	20	10	US-09-897-778-457	457,
16	13	68.4	20	10	us-09-735-705-399	399,
17	13	68.4	20	10	US-09-850-716A-399	399,
18	13	68.4	20	10	US-09-897-778-399	399,
19	11	57.9	11	10	US-09-897-778-466	466,

Sequence 152, App	US-10-078-770-152	77 9	5.ω	5 26		ū
Sequence 37078, A	0 US-09-864-761-37078	71 1	w	N		4
Sequence 142, App	US-10-078-770-142	9 8 9	6.3	N		ũ
Sequence 42064, A	0 US-09-864-761-42064		w	2		2
Sequence 549, App		54 10	6.3	2		H
Sequence 32, Appl		50 1	W	N		ō
Sequence 241, App	_	18 9	5.ω			9
	_	15 1	5.3			8
23,		14 12		ż		7
Sequence 22, Appl			w	N		6
Sequence 34, Appl	0 US-09-779-451-34		'n	N		ű
Sequence 33, Appl		36 10	سا	N		4
Sequence 2200, Ap	_		ω	N		ũ
Sequence 1116, Ap			.0	w	_	2
Sequence 12732, A	0 US-09-815-242-12732	36 10	.00	w	_	3
Sequence 12600, A	0 US-09-815-242-12600		.00	w	_	õ
Sequence 5283, Ap	0 US-09-815-242-5283		.6	w	_	29
Sequence 5678, Ap	US-09-738-626-5678		.0	w	_	8
Sequence 13772, A	0 US-09-815-242-13772		1.6 287	6 31		27
Sequence 10309, A	0 US-09-815-242-10309	36 10	.6	w		6
Sequence 124, App	0 US-09-881-752A-124		.00	w	_	ΰ
Sequence 20, Appl	US-09-895-913A-20	78 9		ىپ		4
Sequence 401, App	0 US-09-897-778-401			ω	_	ŭ
Sequence 401, App	0 US-09-850-716A-401	20 1		w	_	2
Sequence 401, App	0 US-09-735-705-401	20 10	1.6	w	_	ï
Sequence 2, Appli	0 US-09-873-637-2	77 10	2.6 577	υ	1	ŏ

ALIGNMENTS

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APPLICANT: Henderson, Robert A.
APPLICANT: McKeill, Patricia D.
APPLICANT: McKeill, Patricia D.
APPLICANT: Fanger, Neil
ITTLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455014
CURRENT APPLICATION NUMBER: US/09/735,705
CURRENT FILING DATE: 2000-12-12
NUMBER OF SEO ID NOS: 419
SOFTWARE: FastSEO for Windows Version 3.0
SEO ID NO 176
SEO ID NO 176
CENGTH: 579
TYPE: PRT
ORGANISM: Hendo sapiens
                     RESULT 2
US-09-735-705-348
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US-09-735-705-176
; Sequence 348, Application US/09735705
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100.0%; Score 19; DB 10;
Best Local Similarity 100.0%; Pred. No. 9.5e-13;
Matches 19; Conservative 0; Mismatches 0;
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                                                                                                   37 TGYAFVDCPDESWALKAIE 55
                                                                                                                                         1 TGYAFVDCPDESWALKAIE 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Wang, Tonglony
Fan, Liqun
Kalos, Michael D.
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Hosken, Nancy
Fanger, Gary R.
Li, Samuel X.
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Gaps

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APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Henderson, Robert A.
APPLICANT: Wacneill, Patricia D.
APPLICANT: Fanger, Neil
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C14
CCURRENT APPLICATION NUMBER: US/09/735,705
CURRENT FILING DATE: 2000-12-12
NUMBER OF SEQ ID NOS: 419
SOFTWARE: FastSEQ for Windows Version 3 ^
SEQ ID NO 348
LENGTH: 579
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                              US-09-850-716A-176

US-09-850-716A-176

Sequence 176, Application US/09850716A

Patent No. US20020115.39A1

GENERAL INFORMATION:

APPLICANY: Kalos, Michael D.

APPLICANY: Retter, Marc W.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

FILE REFERENCE: 210121.45515.

CURRENT APPLICATION NUMBER: US/09/850,716A

CURRENT FILING DATE: 2001-03-07

NUMBER OF SEQ ID NO.5: 440

SOFTWARE: FeatSEQ for Windows Version 3.0

SEQ ID NO. 176

LENGTH: 579

TYPE: DOW
RESULT 4
US-09-850-716A-348
Sequence 348, Application US/09850716A
Patent NO. US20020115139A1
GENERAL INFORMATION:
APPLICANT: Kalos, Michael D.
APPLICANT: MCNeill, Patricia D.
                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: PRT ; ORGANISM: Homo sapiens US-09-735-705-348
                                                                                                                                                                                                                                                                                                                                                            ; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-850-716A-176
                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                            Ouery Match 100.0%; Score 19; EBest Local Similarity 100.0%; Pred. No. 9; Matches 19; Conservative 0; Mismatches
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Best Local Similarity 100.0%; Pred. No. 9.5e-13;
Matches 19; Conservative 0; Mismatches 0;
                                                                                                                                                                                           US20020052329A1
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Bangur, Chaitanya S.
Hosken, Nancy
Fanger, Gary R.
Li, Samuel X.
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                                                                                                                                                                                                                                                                            DB 10;
9.5e-13;
nes 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION
APPLICANT: Wang, Tongtong
APPLICANT: Wanger, Gary R.
APPLICANT: Fanger, Gary R.
APPLICANT: Fanger, Gary R.
APPLICANT: VedVick, Thomas S.
APPLICANT: VedVick, Thomas S.
APPLICANT: Carter, Dariick
APPLICANT: Henderson, Robert A.
APPLICANT: Fanger, Neil
TATILE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
TILLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILLE REFERENCE: 210121.455C16
CURRENT APPLICATION NUMBER: US/09/897.778
CURRENT FILING DATE: 2001-06-28
NUMBER OF SEQ ID NOS: 467
SOFTWARE: FSEQ ID NOS: 467
SEQ ID NO 16
SEQ ID NO 16
SEQ ID NO 16
SEQ ID NO 16
CENGTH: 579
TYPE: PAT
ORGANISM: Homo sapiens
190 08: Score 19: DB 10: Length 579;
                                                                                                                                                                                                                                                  RESULT 6
US-09-897-778-348
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US-09-897-778-176
Sequence 176, Application US/09897778
Patent No. US20020147143A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; ORGANISM: Homo sapiens
US-09-850-716A-348
                                                              ; APPLICANT: Wang, ; APPLICANT: Marne; APPLICANT: Fange; APPLICANT: Vedvic APPLICANT: Carte; APPLICANT: Watanc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Retter, Marc W.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C15
CURRENT APPLICATION NUMBER: U5/09/850,716A
CURRENT FILING DATE: 2001-05-07
NUMBER OF SEQ ID NOS: 440
SOFTMARE: FastSEQ for Windows Version 3.0
SEQ ID NO 348
LENGTH: 579
TYPE: PRT
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Best Local S
Matches 19
                                                                                                                                                                                                                Patent No. US20020147143A1
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Best Local :
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                                                                                                                                                                                           INFORMATION
                                                                                   : Wang, Tongtong
    Marnerakis, Margarita
    Fanger, Gary R,
    Vedvick, Thomas S.
    Carter, Darrick
  Watanabe, Yoshihiro
Henderson, Robert A.
Peckham, David W.
Fanger, Neil
                                                                                                                                                                                                                                  Application US/09897778
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FILE REFERENCE: 210.21.455C16
CURRENT APPLICATION NUMBER: US/09/897,778
CURRENT FILING DATE: 2001-06-28
NUMBER OF SEQ ID NOS: 467
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 348
LENGTH: 579
TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                                                    ; TYPE: PRT ; ORGANISM: Homo sapiens US-09-897-778-446
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                                                                                                                                                        GENERAL INFORMATION:
                                                                                                                                                                     Sequence 449, Application US/09897778 Patent No. US20020147143A1
                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQ ID NO 446
LENGTH: 579
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Best Local Similarity
                                                                                APPLICANT:
                                                APPLICANT:
                                                                 APPLICANT:
                                                                                                             APPLICANT:
                                                                                                                           APPLICANT:
                                                                                                                                          APPLICANT: Wang,
                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQ ID NOS: 467
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILE REFERENCE: 210121.455C16
CURRENT APPLICATION NUMBER: US/O
CURRENT FILING DATE: 2001-06-28
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                                   APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Fanger, Neil
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Wang,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
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TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
                                                                                                                                                                                                                                                                   37
                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  37 TGYAFVDCPDESWALKAIE 55
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION:
                                                                                                                                                                                                                                                                                                                            19;
                                                                           Fanger, Gary R.
Vedvick, Thomas S.
Carter, Darrick
                 Fanger,
                                              Watanabe, Yoshihiro
Henderson, Robert A
                                                                                                                        Marnerakis, Margarita
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Fanger, Gary R. Vedvick, Thomas Carter, Darrick
                                Peckham, David W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Watanabe, Yoshihiro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Peckham, David W.
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                                                                                                                                                                                                                                                                                                                          Conservative
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                                                                                                                                        Tongtong
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COMPOSITIONS AND METHODS FOR THE THERAPY
                   Neil
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Thomas S.
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Pred. No. 9.5e-13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 19; |
Pred. No. 9
                                                                                                                                                                                                                                                                                                                        Mismatches
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US-09-850-716A-427
; Sequence 427, Application US/09850716A
                                                                                                                                                                                                                                                                                                                                                           US-09-897-778-427
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:

APPLICANT: Kalos, Michael D.

APPLICANT: MCNeill, Patricia D.

APPLICANT: Retter, Marc W.

TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

FILE REFERENCE: 210121.455C15
NUMBER OF SEQ ID NOS: 467
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 427
                                                                                                                                                                                                                                                                                                          GENERAL
                                                                                                                                                                                                                                                                                                                       Sequence 427, Application US/09897778 Patent No. US20020147143A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
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LENGTH: 579
                                                                                       APPLICANT: Peckham, David W.
APPLICANT: Fanger, Neil
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIACNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C16
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                                                     CURRENT APPLICATION NUMBER: US/09/897,778
CURRENT FILING DATE: 2001-06-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Patent No. US20020115139A1
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                                                                                                                                                                                                  APPLICANT:
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                                                                                                                                                                                                                                                      APPLICANT:
                                                                                                                                                                                                                                                                       APPLICANT:
                                                                                                                                                                                                                                                                                APPLICANT: Wang, Tongtong
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION NUMBER: US/09/850,716A CURRENT FILING DATE: 2001-05-07 NUMBER OF SEQ ID NOS: 440
                                                                                                                                                                                APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/09/897,778 CURRENT FILING DATE: 2001-06-28
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FILE REFERENCE: 210121.455C16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: FastSEQ for Windows Version 4.0
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nes 19; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                               44 TGYAFVDCPDESWALKAIE
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nes 19; Conserv
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                                                                                                                                                                                                            Fanger, Gary R. Vedvick, Thomas Carter, Darrick
                                                                                                                                                           Henderson, Robert A. Peckham, David W.
                                                                                                                                                                                               Watanabe, Yoshihiro
                                                                                                                                                                                                                                                                   Marnerakis, Margarita
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
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                                                                                                                                                                                                                                    Thomas S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AND DIAGNOSIS OF LUNG CANCER
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Pred. No. 9.6e-1
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Pred. No. 9.5e-13;
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9.6e-13;
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Sequence 465, Application US/0989778

Sequence 465, Application US/0989778

Patent No. US20020147143A1

GENERAL INFORMATION:
APPLICANT: Wang, Tongtong
APPLICANT: Wang, Tongtong
APPLICANT: Fanger, Gary R.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Henderson, Robert A.
APPLICANT: Peckham, David W.
APPL
APPLICANT: Fan, Liqun
APPLICANT: Kalos, Michael D.
APPLICANT: Mangur, Chaitanya S.
APPLICANT: Hosken, Mancy
APPLICANT: Hosken, Mancy
APPLICANT: Hosken, Mancy
APPLICANT: Li, Samuel X.
APPLICANT: Wang, Aijun
APPLICANT: Henderson, Robert A.
APPLICANT: Henderson, Robert A.
APPLICANT: McNeill, Patricia D.
APPLICANT: Henderson, Nobl
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C14
COURRENT FILING DATE: 2000-12-12
NUMBER OF SEQ ID NOS: 419
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-897-778-427
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 11
US-09-897-778-465
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; ORGANISM: Homo sapiens
US-09-897-778-465
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 12
US-09-735-705-400
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 84.
Best Local Similarity 100
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 4
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US20020052329A1
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Fan, Liqun
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100.0%; Pred. No. 7.8e-11;
ative 0; Mismatches 0;
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9.6e-13;
nes 0;
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Sequence 400, Application US/09850716A

Patent No. US20020115139A1

GENERAL INFORMATION:
APPLICANT: Kalos, Michael D.
APPLICANT: MCNeill, Patricia D.
APPLICANT: MCNeill, Patricia D.
APPLICANT: MCNeill, Patricia D.
APPLICANT: NETTER, MARC M.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121 455015

CURRENT APPLICATION UNMBER: US/09/850,716A

CURRENT APPLICATION UNMBER: US/09/850,716A

CURRENT FILING DATE: 2001-05-07

NUMBER OF SEQ ID NOS: 440

SEQ ID NO 400

SEQ ID NO 400

TYPE: PRT
ORGANISM: Homo sapiens
US-09-850-716A-400
                 APPLICANT: Wannerakis, Margarita
APPLICANT: Marnerakis, Margarita
APPLICANT: Vedvick, Thomas S.
APPLICANT: Henderson, Robert A.
APPLICANT: Henderson, Robert A.
APPLICANT: Peckham, David W.
APPLICANT: Peckham, David W.
APPLICANT: Peckham, David W.
APPLICANT: Panger, Neil
ITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
ITLE OF INVENTION NUMBER: US/09/897,778
CURRENT APPLICATION NUMBER: US/09/897,778
CURRENT FALING DATE: 2001-06-28
NUMBER OF SEQ ID NOS: 467
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 400
LENGTH: 20
TYPE: PRT
CARRANTSM: Homo Sabiens
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US-09-850-716A-400
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TYPE: PRT
; ORGANISM: Homo sapiens
US-09-735-705-400
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; ORGANISM: Homo sapiens US-09-897-778-400
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Best Local
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16; Conserv
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US20020147143A1
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0; Mismatches
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Pred. No.
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8.5e-11;
thes 0;
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8.5e-11;
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APPLICANT: Warn, Tongtong
APPLICANT: Warnerrakis, Margarita
APPLICANT: Warnerrakis, Margarita
APPLICANT: Vedvick, Thomas S.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Henderson, Robert A.
APPLICANT: Henderson, Robert A.
APPLICANT: Peckham, David W.
APPLICANT: Penger, Neil
TITLE OF INVENTION: AND DIACNOSIS OF LUNG CANCER
FILE OF INVENTION: AND DIACNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C16
CURRENT APPLICATION NUMBER: US/09/897,778
CURRENT FILING DATE: 2001-06-28
NUMBER OF SEQ ID NOS: 467
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 457
LENGTH: 20
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 15
US-09-897-778-457
US-09-897-778-457
; Sequence 457, Application US/09897778
; Patent No. US20020147143A1
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Search completed: April 16, 2003, 16:48:43 Job time: 4.18391 secs
                                                                                                                                                                   Query Match 84.2%; Score 16; DB 10; Best Local Similarity 100.0%; Pred. No. 8.5e-11; Matches 16; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 84.2%; Score 16; DB 10; Length 20; Best Local Similarity 100.0%; Pred. No. 8.5e-11; Matches 16; Conservative 0; Mismatches 0; Indels
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Searched:

176, App
176

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Title:
Perfect score:
Sequence:
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Maximum DB seq length: 2000000000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OM protein -
                                                                                                                                                                                 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                            Score
     19
19
19
19
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Match
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1: /cgn2_6/ptodata/1/paa/PCTUS.
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                                                                                                                                                                                                                                         : //cgn2_6/ptodata/1/paa/PCTUS_COMB.pep:*
//cgn2_6/ptodata/1/paa/US06_COMB.pep:*
//cgn2_6/ptodata/1/paa/US06_COMB.pep:*
//cgn2_6/ptodata/1/paa/US08_COMB.pep:*
//cgn2_6/ptodata/1/paa/US09_COMB.pep:*
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                                                                                                            Length
                                                                                                            DB
       18 25
 5 US-10-117-982-482
PCT-US01-47576-176
PCT-US01-47576-348
PCT-US01-47576-449
PCT-US01-47576-449
B US-09-466-396A-176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                chosen parameters:
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Sequence 482, App
Sequence 176, App
Sequence 348, App
Sequence 446, App
Sequence 449, App
Sequence 176, App
                                                                                                          Description
                             APPLICANT: Spies, Gregory A.

APPLICANT: Fan, Liqun

APPLICANT: Fan, Liqun

APPLICANT: Fan, Liqun

APPLICANT: Wang, Tongtong

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

FILE REFERENCE: 210121.455C18

CURRENT APPLICATION NUMBER: US/10/117,982

CURRENT FILEG DATE: 2002-04-05

NUMBER OF SEQ ID NOS: 484

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 482

LENGTH: 43

TYPE: PRT

ORGANISM: Homo sapiens

US-10-117-982-482
                                                                                                                                                                                                                                             RESULT 1

US-10-117-982-482

Sequence 482, Application US/10117982

Sequence 482, Application US/10117982

GENERAL INFORMATION:

APPLICANT: Foy, Teresa M.

APPLICANT: Foy, Teresa M.

APPLICANT: Vedvick, Thomas S.

APPLICANT: Vedvick, Thomas S.

APPLICANT: Watanabe, Yoshihiro

APPLICANT: Henderson, Robert A.

APPLICANT: Mariack, Michael D.

APPLICANT: Mariack, Michael D.

APPLICANT: Mericle, Barbara

APPLICANT: Spies, Gregory A.
     Query Match
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US-09-480-884A-176
US-09-510-376A-176
US-09-510-376A-176
US-09-52-615A-176
US-09-506-421A-136
US-09-606-421B-136
US-09-606-421B-136
US-09-606-421B-136
US-09-609-400-136
US-09-630-940B-176
US-09-630-940B-176
US-09-630-940B-176
US-09-630-940B-176
US-09-685-696-176
US-09-685-696-176
US-09-685-786-348
US-09-685-796-136
US-09-791-537-49019
US-09-791-537-49019
US-09-897-778-176
US-10-117-982-176
US-10-117-982-449
US-10-117-982-449
US-10-117-982-449
         Score 19;
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         DB
         25;
       Length 43;
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Result

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RESULT 3
PCT-US01-47576-348
; Sequence 348, App.
; GENERAL INFORMAT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER FILE REFERENCE: 210121.45503PC CURRENT APPLICATION NUMBER: PCT/US01/47576 CURRENT FILING DATE: 2001-11-30 NUMBER OF SEQ ID NOS: 469 SOFTMARE: FRSTSEQ FOR WINDOWS Version 4.0 SEQ ID NO 176 SEQ ID NO 176 LENGTH: 579
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity 100.0%; Matches 19; Conservative 0;
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Fanger, Gary R.
Vedvick, Thomas S.
Carter, Darrick
                                                                              Durham, Margarita
Fanger, Gary R.
Vedvick, Thomas S.
Carter, Darrick
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Fanger, Neil
Retter, Marc W.
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Henderson, Robert A.
McNeill, Patricia D.
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Peckman, David W.
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Henderson, Robert A.
McNeill, Patricia D.
                                           Watanabe, Yoshihiro
Peckman, David W.
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Wang, Aijun
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Samual X.
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Samual X
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                                                                                             Thomas S.
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3.3e-12;
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APPLICANT: Peckman, David W.

APPLICANT: Cai, Feng

APPLICANT: Cai, Feng

APPLICANT: EOY, Teresa W.

TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

FILE REFERENCE: 12012.1.45503pc

CURRENT APPLICATION NUMBER: POT/US01/47576

CURRENT FILING DATE: 2001-11-30

NUMBER OF SEQ ID NOS: 469

SOFTMARE: FastSEQ for Windows Version 4.0

SEQ ID NO 446

SEQ ID NO 446

PCT-US01-47576-446

100.0%: SCORE 19; DB 1; Length 579;

PGRANISM: Homo sapiens

100.0%: SCORE 19; DB 1; Length 579;
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dd
RESULT 5
PCT-UG01-47576-449
Sequence 449, Application PC/TUS0147576
GENERAL INFORMATION:
APPLICANT: COrixa Corporation
APPLICANT: Wang, Tongtong
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PCT-US01-47576-446
; Sequence 446, App
; GENERAL INFORMATI
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; ORGANISM: Homo sapiens
PCT-US01-47576-348
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TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

FILE REFERENCE: 210121.45505C

CURRENT APPLICATION NUMBER: PCTYUS01/47576

CURRENT FILING DATE: 2001-11-30

NUMBER OF SEQ ID NOS: 469

SOFTMARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 348

LENGTH: 579
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Best Local Similarity 100.0%;
Matches 19; Conservative 0
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APPLICANT: Wang, Tongtong
APPLICANT: Wang, Aijun
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Waiky, 1.
Skeiky, 1.
Li, Samual X.
Li, Samual D.
Robert
Robert
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Fanger, Gary R.
Vedvick, Thomas S.
Carter, Darrick
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Pred. No. 3.3
0; Mismatches
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: NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSEQ for Wi
; SEQ ID NO 176
; LENGTH: 579
; LENGTH: 579
; TYPE: PRT
; ORGANIZM: Homo sapiens
US-09-466-396A-176
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; ORGANISM: Homo sapiens
PCT-US01-47576-449
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Best Local S
Matches 19
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CURRENT FILING DATE: 2001-11-30
NUMBER OF SEQ ID NOS: 469
SOFTWARE: FastSEQ for Windows Version 4:0
SEQ ID NO 449
LENGTH: 579
                                                              GENERAL INFORMATION:
                                                                               Sequence 176, Application US/09476496A
                                                                                                                                                                                                                          Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Wang, Tongtong
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
                                                                                                                                                                                                                                                                                                                                                                                                                                   FILE REFERENCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT:
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                                   APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
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les 19; Conserv
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les 19; Conservat
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: Wang, Tongtong: Hosken, Nancy A.: Kalos, Michael D.: Fanger, Gary R.
                                                                                                                                                                                                                                                                                                                                                                   FastSEQ for Windows Version 3.0
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Peckman, David W.
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Foy, Teresa M.
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Henderson, Robert A.
McNeill, Patricia D.
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Skeiky, Yas
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ilarity 100.0%;
Conservative (
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100.0%; Pred. No.
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                                                                                                                                                                                                                                       Score 19; DB 18;
Pred. No. 3.3e-12;
                                                                                                                                                                                                                          Mismatches
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                                                                                                                                                                                                                          Indels
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NUMBER OF SEQ ID NOS: 330 .

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 176

SEQ ID NO 176

TYPE: PRT

ORGANISM: Homo sapiens

US-09-480-884A-176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TYPE: PRT; ORGANISM: Homo sapiens US-09-476-496A-176
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                                                                                                                                                                                                                                                                                               US-09-510-376A-176
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                                                                                                                                                                APPLICANT: Wang, Tongtong
APPLICANT: Fan, Liqun
APPLICANT: Hosken, Nancy A
APPLICANT: Kalos, Michael
APPLICANT: Fanger, Gary R.
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Best Local S
Matches 19
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SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 176
LENGTH: 579
CURRENT APPLICATION NUMBER: US/09/510,376A
CURRENT FILING DATE: 2001-08-21
NUMBER OF SEQ ID NOS: 330
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 176
LENGTH: 579
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                                                                                                        APPLICANT: Hosken, Nancy A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Hosken, Nancy A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
TIT DEFERENCE: JAMPS 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION NUMBER: CURRENT FILING DATE: 1999-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY OF TITLE OF INVENTION: LUNG CANCER FILE REFERENCE: 210121.455C5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Wang, Tongtong APPLICANT: Fan, Liqun
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILE REFERENCE: 210121.455C6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity 100.0%; es 19; Conservation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
les 19; Conserv
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1999-12-30
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Pred. No.
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
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ORGANISM: Homo sapiens

US-09-510-376A-176

Query Match 100.0%; Best Local Similarity 100.0%; Matches 19; Conservative 0

0;

Score 19; DB 19; Pred. No. 3.3e-12; Nismatches 0;

Length 579;

Indels

0;

Gaps

0;

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APPLICANT: Kalos, Michael D.
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Hosken, Nancy A.
APPLICANT: Fosger, Gary R.
APPLICANT: Fragger, Gary R.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.45508
CURRENT APPLICATION NUMBER: US/09/542,615A
CURRENT FILING DATE: 2000-04-14
NUMBER OF SEQ ID NOS: 350
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 176
SEQ ID NO 176
SEQ ID NO 176
TYPE: PRT
ORGANISM: Homo Sapiens
US-09-542-615A-176
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Sequence 176, Application US/09542615A
GENERAL INFORMATION:
APPLICANT: Wang, Tongtong
APPLICANT: Fan, Liqun
APPLICANT: Kalos, Michael D.
APPLICANT: Kalos, Michael D.
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                                                                                                                                                    ; TYPE: PRT; ORGANISM: Homo sapiens US-09-542-615A-348
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local
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SEQ ID NO 348
LENGTH: 579
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                                                                                                                Query Match
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GENERAL INFORMATION
                                                                           Matches
                                                                                                                                                                                                                                              APPLICANT: Kalos, Michael D.
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Hosken, Vancy A.
APPLICANT: Hosken, Vancy A.
APPLICANT: Hosken, Vancy A.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
TILE REFERENCE: 2210121.455C8
CURRENT APPLICATION NUMBER: US/09/542,615A
CURRENT APPLICATION NUMBER: US/09/542,615A
UNUMBER OF SEO ID NOS: 350
SOFTWARE: FastSEQ for Windows Version 3.0
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37 TGYAFVDCPDESWALKAIE 55
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Local Similarity 100.0%;
es 19; Conservative 0;
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                                  1 TGYAFVDCPDESWALKAIE 19
                                                                           Match 100.0%; Score 19;
Local Similarity 100.0%; Pred. No.
es 19; Conservative 0; Mismatch
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Fan, Liqun
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Pred. No. 3.3e-12;
; Mismatches 0;
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                                                                                                                DB 19; Length 579;
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APPLICANT: Wang, Aijun
APPLICANT: VERENTONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
TITLE REFERENCE: 210121.45C9
CURRENT APPLICATION NUMBER: US/09/606,421A
CURRENT FILING DATE: 2000-06-28
NUMBER OF SEQ ID NOS: 354
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 176
SEQ ID NO 380
SEQ ID NO 176
SEQ ID NO
                                                                                                                                                                                                                                          APPLICANT: Wang, Aljuir A.W.
APPLICANT: Skelky, Yasir A.W.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: COMPOSITIONS OF LUNG CANCER
FILE REFERENCE: 210121, 45509
CURRENT APPLICATION NUMBER: US/09/606,421A
CURRENT APPLICATION NUMBER: US/09/606,421A
CURRENT FILING DATE: 2000-06-28
NUMBER OF SEQ ID NOS: 354
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 348
LENGTH: 579
TYPE: PRT
ORGANISM: Homo sapiens
US-09-606-421A-348
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US-09-606-421A-176
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US-09-606-421A-348
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APPLICANT:
APPLICANT:
APPLICANT:
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GENERAL INFORMATION
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APPLICANT:
APPLICANT:
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les 19; Conserv
   37
                                                    1 TGYAFVDCPDESWALKAIE 19
                                                                                                                          Local Similarity
es 19; Conserv
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TGYAFVDCPDESWALKAIE
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Bangur, Chaitanya i
Hosken, Nancy
Fanger, Gary R.
Li, Samuel X.
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Hosken, Nancy
Fanger, Gary R.
Li, Samuel X.
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Fan, Liqun
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Fan, Liqun
Kalos, Michael D.
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                                                                                                                       100.0%; Score 19; DB 20; ilarity 100.0%; Pred. No. 3.3e-12 Conservative 0; Mismatches 0
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       55
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Pred. No. 3.3e-12;
0; Mismatches 0;
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                                                                                                                                                                                          Length 579;
                                                                                                                                      Indels
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APPLICANT: Skeiky, Yasir A.W.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

FILE REFERENCE: 210121.455C9

CURRENT APPLICATION NUMBER: U5/09/606.421B

CURRENT APPLICATION NUMBER: U5/09/606.421B

CURRENT FILING DATE: 2000-06-28

NUMBER OF SEQ ID NOS: 358

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 176

SEQ ID NO 176

LENGTH: 579

TYPE: PRT

ORGANISM: Homo sapiens

US-09-606-421B-176
                                                                                    문
                                                                                                                                                                                                                                                  ; SOFTWARE: FastSEQ for Windows Version 3.0; SEQ ID NO 348; LENGTH: 579; TYPE: PRT; ORGANISM: Homo sapiens US-09-606-421B-348
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Search completed: April 16, 2003, 16:45:12 
Job time: 13.8851 secs
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US-09-606-421B-348
Sequence 340, Application US/09606421B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Wang, Tongtong
APPLICANT: Fan, Liqun
APPLICANT: Kalos, Michael D.
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Bangur, Nancy
APPLICANT: Fanger, Gary R.
APPLICANT: Fanger, Gary R.
APPLICANT: Li, Samwel X.
                                                                                                                                                              Query Match 100.0%;
Best Local Similarity 100.0%;
Matches 19; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 100.0%; Score 19; DB 20; Best Local Similarity 100.0%; Pred. No. 3.3e-12; Matches 19; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121. 455C9
CURRENT APPLICATION NUMBER: US/09/606,421B
CURRENT FILING DATE: 2000-06-28
NUMBER OF SEQ ID NOS: 358
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                                                                               Bangur, Chaitanya S.
Hosken, Nancy
Fanger, Gary R.
Li, Samuel X.
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                                                                                                                                                                   0;
                                                                                                                                                              Score 19; DB 20;
Pred. No. 3.3e-12;
); Mismatches 0;
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Title:
Perfect score:
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/cgn2_6/ptodata/1/paa/US08_NEW_COMB.pep:*
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US-10-313-986-480

US-10-313-986-480

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                                                   ; ORGANISM: Homo sapiens US-09-724-676-92917
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29 10 52.6 598 5 US-09-724-676A-48616 Sequence 500, App
30 10 52.6 598 5 US-09-724-676A-48616
31 10 52.6 598 5 US-09-724-676A-48621 Sequence 48616, A
31 10 52.6 598 5 US-09-724-676A-48621 Sequence 48621, A
32 10 52.6 602 5 US-09-724-676A-48621 Sequence 48621, A
33 10 52.6 602 5 US-09-724-676A-48621 Sequence 48619, A
36 10 52.6 602 5 US-09-724-676A-48619 Sequence 48621, A
37 10 52.6 602 5 US-09-724-676A-48619 Sequence 48620, A
38 6 31.6 602 5 US-09-724-676A-48619 Sequence 48620, A
39 6 31.6 20 6 US-10-313-986-401 Sequence 48620, A
40 6 31.6 20 6 US-10-313-986-401 Sequence 40620, A
41 6 31.6 97 5 US-09-513-996-401 Sequence 51701, A
42 6 31.6 120 6 US-10-389-15644 Sequence 7342, A
43 6 31.6 124 6 US-10-369-493-15644 Sequence 15614, A
44 6 31.6 124 6 US-10-399-493-15644 Sequence 15614, A
45 6 31.6 124 6 US-10-389-566-765 Sequence 16019, App
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WESULT 2
US-09-724-676-92917
; Sequence 92917, Application US/09724676
; GENERAL INFORMATION:
; APPLICANT: Compugen LTD
; TITLE OF INVENTION: Variants of alternative spl
; FILE REFERENCE: 129181.4 Compugen
; CURRENT APPLICANTON NUMBER: US/09/724,676
; CURRENT FILING DATE: 2000-11-28
; NUMBER OF SEQ ID NOS: 97222
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 92917
; LENGTH: 134
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/10/313,986
CURRENT FILING DATE: 2002-12-04
NUMBER OF SEQ ID NOS: 560
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 482
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Foy, Teresa M.
APPLICANT: MCNabb, Andria
APPLICANT: Watanabe, Yoshi
APPLICANT: Reed, Steven G.
APPLICANT: Wang, Tongtong
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER FILE REFERENCE: 210121.455C19
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US-09-724-676A-92916

Sequence 92916, Application US/09724676A

GENERAL INFORMATION:

APPLICANT: Compugen LTD

TITLE OF INVENTION: Variants of alternative splicing

FILE REFERICE: 129181.4 Compugen

CURRENT APPLICATION NUMBER: US/09/724,676A

CURRENT FILING DATE: 2000-11-28

NUMBER OF SEQ ID NOS: 97222

SOFTWARE: Patentin version 3.2

LENGTH: 492
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US-09-724-676-92916
; Sequence 92916, Application US/09724676
; GENERAL INFORMATION:
; APPLICANT: Compugen LTD
APPLICANT: Compugen LTD
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US-09-724-676A-92917
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SOFTWARE: PatentIn version 3.2
SEQ ID NO 92916
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Matches 19; Conservative
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CURRENT FILING DATE: 2000-11-28
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SOFTWARE: PATENTIN VERSION 3.2
BEQ ID NO 92917
LENGTH: 134
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TITLE OF INVENTION: Variants of alternative splicing
FILE REFERENCE: 129181.4 Compugen
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US-10-313-986-176
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US-09-724-676A-92918
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US-09-724-676-92918
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US-09-724-676-92918
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                                                         Sequence 176, Application US/10313986 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/00
CURRENT FILING DATE: 2000-11-28
NUMBER OF SEO ID NOS: 97222
SOFTWARE: PatentIn version 3.2
SEQ ID NO 92918
LENGTH: 558
                                                                                                                                                                                                               Query Match 100.0%;
Best Local Similarity 100.0%;
Matches 19; Conservative
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GENERAL INFORMATION:
APPLICANT: Compugen LTD
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CURRENT APPLICATION NUMBER: US/09/724,676
CURRENT FILING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 97222
SOFTWARE: PatentIn version 3.2
SEQ ID NO 92918
LENCTH: 558
TYPE: PRT
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                                                                                                                                                                                                                                                                             ORGANISM: Homo sapiens -09-724-676A-92918
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Best Local :
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Best Local :
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                                APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTIÓN: Variants of alternative splicing FILE REFERENCE: 129181.4 Compugen
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Foy, Teresa M.
McNabb, Andria
Watanabe, Yoshihiro
Reed, Steven G.
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Pred. No. 9e~
0; Mismatches
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; LENGTH: 579
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-313-986-348
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-313-986-176
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US-10-313-986-446
         SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 446
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                                                        TITLE OF INVENTION: CÓMPOSITIONS AND METHODS FOR THE THERAPY TITLE OF INVENTION: AND DIAGNOSIS OF LONG CANCER FILE REFERENCE: 210121.455C19
CURRENT APPLICATION NUMBER: US/10/313,986
CURRENT FILING DATE: 2002-12-04
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SOFTWARE: FastSEQ for Windows Version 4.0
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CURRENT FILING DATE: 2002-12-04
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TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C19
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ENGTH: 579
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Wang, Tongtong
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US-10-313-986-480
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TYPE: PRT
37 TGYAFVDCPDESWALKAIE 55
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Query Match
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-313-986-449
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                 Query Match
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"hes 19; Conserv?
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US-10-313-986-480
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 480
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 449
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CURRENT FILING DATE: 2002-12-04
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Wang, Tongtong
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RESULT 14

US-10-348-119-255

US-10-348-119-255

Sequence 255, Application US/10348119

Sequence 255, Application US/10348119

SEQUENTAL INFORMATION:

APPLICANT: Bristol-Myers Squibb Company

TITLE OF INVENTION: IDENTIFICATION OF POLYNUCLEOTIDES AND POLYPEPTIDE FOR PREDICTING TITLE OF INVENTION: ACTIVITY OF COMPOUNDS THAT INTERACT WITH PROTEIN TYROSINE KINASE FILLE REFERENCE: D0185 NP

CURRENT FILLNE DATE: 2003-01-17

CURRENT APPLICATION NUMBER: US/10/348,119

CURRENT APPLICATION NUMBER: US 60/350,061

PRIOR APPLICATION UNMBER: US 60/350,061

PRIOR PRILING DATE: 2002-01-18

NUMBER OF SEQ ID NOS: 795

SEQ ID NO 255

LENGTH: 579

TYPE: PRT

ORGANISM: Homo sapiens

US-10-348-119-255
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APPLICANT: Wang, Tongtong
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C19
CURRENT APPLICATION NUMBER: US/10/313,986
CURRENT FILING DATE: 2002-12-04
NUMBER OF ESQ ID NOS: 560
NUMBER OF ESQ ID NOS: 560
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 484
LENGTH: 579
TYPE: PRT
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US-10-313-986-484
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US-10-318-986
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US-10-313-986-427
; Sequence 427, Ap
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GENERAL INFORMATION:
APPLICANT: FOY, Teresa M.
APPLICANT: Workabb, Andria
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Reed, Steven G.
APPLICANT: Wang, Tongtong
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
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APPLICANT: McNabb, Andria
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Reed, Steven G.
APPLICANT: Wang, Tongtong
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Title: Perfect score: Sequence:

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Scoring table:

Minimum DB Maximum DB

seq

Word size :

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hypothetical prote hypothetical prote phosphomannomutase

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Post-processing: Listing first
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E71915
B64599
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H97700
F90525
F65104
C91132
F85977
AC0899
G84335
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hypothetical prote
hypothetical prote
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recombination prot
probable lipoprote
probable methylgal
sex-lethal sex det
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                                                                  cytochrome P450 hydroxylase homolog PCZA361.27 - Amycolatopsis orientalis (fragment) N.Alternate names: PCZA361.27

C; Species: Amycolatopsis orientalis
C; Cate: 21-Jan-2000 #sequence_revision 21-Jan-2000 #text_change 16-Feb-2001
C; Accession: 730601
R; Van Wageningen, A.; Kirkpatrick, P.; Williams, D.; Harris, B.; Kershaw, J.; Lennard Chem. Biol. 3, 15-162, 198
A; Nitle: Sequencing and analysis of genes involved in the biosynthesis of a vancomyci A; McCession: 730601
A; Reference number: 218804
A; Reference number: 218804
A; Reference number: 218804
A; Reference number: 218804
A; References: EMBL:AJ22398
C; Superfamily: Bacillus cytochrome P450 cyp106; cytochrome P450 homology
F; 173-309/Domain: cytochrome P450 homology < P45>
                                                                                                                                                                                                                                                                                                                                                                                                                                                            probable hydroxylase d [imported] - Amycolatopsis orientalis (fragment)
C;Species: Amycolatopsis orientalis
C;Date: 21-Jan-2000 #sequence_revision 21-Jan-2000 #text_change 16-Feb-2001
C;Accession: T44857
R;Solenberg, P.J.; Matsushima, P.; Stack, D.R.; Wilkie, S.C.; Thompson, R.C.; Baltz,
submitted to the EMBL bata Library, January 1997
A;Description: Production of hybrid glycopeptide antibiotics in vitro and in Strepto
A;Reference number: Z2861
A;Accession: T44857
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-310 <SOL-
A;Residues: 1-310 <SOL-
A;Residues: Fubr. Hallson, BIDNAARAGAGAG
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T44857
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T30601
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A;Experimental source: strain C329.4
C;Superfamily: Bacillus cytochrome P450 CYP106; cytochrome P450
E;146-282/Domain: cytochrome P450 homology <P45>
  20
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  4 AFVDCPD 10
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100.0%; Pred. No. 2:
tive 0; Mismatches
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peptidoglycan acet
hypothetical prote
translation elonga
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homology

0,

Gaps

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Result No.

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hypothetical protein yfhA [imported] - Lactococcus lactis subsp. lactis (strain II.1403) C;Species: Lactococcus lactis subsp. lactis subsp. lactis (strain II.1403) C;Pate: 20-Mar. 2001 #sequence_revision 23-Mar. 2001 #text_change 03-Aug. 2001 C;Accession: H86696 R;Bolotin, A.; Walneker, P.; Mauger, S.; Jaillon, O.; Malarme, K.; Weissenbach, J.; Ehrl Genome Res. 11, 731-753, 2001 A;Title: The complete genome sequence of the lactic acid bacterium Lactococcus lactis s.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     probable nucleic acid binding protein, containing KH domain [Imported] - Clostridium ace (Species: Clostridium acetobutylicum (Spate: 14-Sep-2001 *sequence_revision 14-Sep-2001 *text_change 17-May-2002 C;Accession: G97116
R;Nolling, J.; Breton, G.; Omelchenko, M.V.; Markarova, K.S.; Zeng, Q.; Gibson, R.; Lee, J.; Bacteriol. 183, 4823-4838, 2001
A;Title: Genome Sequence and Comparative Analysis of the Solvent-Producing Bacterium Cld A;Reference number: A96900; MUID:21359325; PMID:21359325
A;Status: preliminary
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C;Superfamily: Bacillus conserved hypothetical protein ylqC
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Matches 7
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;Residues: 1-75 <KUR>
;Cross-references: GB:AE001437; PIDN:AAK79722.1;
Experimental source: Clostridium acetobutylicum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ;Molecule type: DNA
;Residues: 1-404 <OKI>
Cross-references: GB:AF065404; NID:94894216; PIDN:AAD32358.1; PID:94894270
;Experimental source: strain Sterne
;Note: Similar to S-layer precursor, surface layer protein (814 aa), B. anthracis (P490
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Best Local S
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Similarity 100.0%; p
6; Conservative 0;
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ATCC824
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                             Query Match
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A:Cross-references: GB:AE001490; GB:AE001439; NID:g4155115; A:Experimental source: strain J99 C;Genetics:
                                                                                                                                                 hydrogenase maturation factor hyaD [similarity] - Helicobacter pylori (strain J99) c;Species: Helicobacter pylori (strain J99) A;Variety; strain J99  
G;Date: 12-Feb-1999 #sequence_revision 12-Feb-1999 #text_change 02-Sep-2000  
C;Accession: E71915  
G;Alm, R.A.; Ling, L.S.L.; Moir, D.T.; King, B.L.; Brown, E.D.; Doig, P.C.; Smith, Ives, C.; Gibson, R.; Merberg, D.; Mills, S.D.; Jiang, Q.; Taylor, D.E.; Vovis, (Nature 397, 176-180, 1999  
Nature 397, 176-180, 1999  
A;Title: Genomic sequence comparison of two unrelated isolates of the human gastric A;Reference number: A71800; MUID:99120557; PMID:9923682
                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 7
E71915
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             [lagella-related protein E [imported] - Halobacterium sp. NRC-1 C;Species: Halobacterium sp. NRC-1 C;Species: Halobacterium sp. NRC-1 C;Date: 02-Feb-2001 sequence_revision 02-Feb-2001 text_change 02-Feb-2001 C;Accession: H84251 R;Ng, W.V.; Kennedy, S.P.; Mahairas, G.G.; Berquist, B.; Pan, M.; Shukla, H.D.; Leithauser, B.; Keller, K.; Cruz, R.; Danson, M.J.; Hough, D.W.; Maddocks, D.G. Jung, K.H.; Alam, M.; Freitas, T. Jung, K.H.; Alam, M.; Freitas, T. Proc. Natl. Acad. Sci. U.S.A. 97, 12176-12181, 2000 A;Authors: Hou, S.; Daniels, C.J.; Dennis, P.P.; Omer, A.D.; Ebhardt, H.; Lowe, A;Mitle: Genome sequence of Halobacterium species NRC-1. A;Reference number: A84160; MUID:20504483; PMID:11016950 A;Accession: H84251
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H84251
                                                                            A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-178 <ARN>
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A;Molecule type: DNA
A;Residues: 1-156 <STO>
A;Cross-references: GB:AE004437; NID:g10580512; PIDN:AAG19380.1; GSPDB:GN00138
C;Genetics:
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C;Superfamily: Escherichia
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A;Accession: H86636
A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-147 <570>
A;Residues: 1-147 <570>
A;Cross-references: GB:A8005176; PID:g12723466; PIDN:AAK04674.1;
A;Experimental source: strain IL1403
C;Genetics:
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Best Local Similarity 100.0%; Pred. No. 18;
Matches 6; Conservative 0; Mismatches
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).G.; J
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Escherichia coli hydrogenase-1 maturation factor hyaD

31.6%;

Score 6;

DB

Length 178

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RESULT 10
T47768
hypothetical protein F2413.160 - Arabidopsis thaliana ("Species: Arabidopsis thaliana (mouse-ear cress) C; Species: Arabidopsis thaliana (mouse-ear cress) C; Date: 20-Apr-2000 #sequence_revision 20-Apr-2000 #text_change 19-May-2000 C; Accession: T47768 R; Nyakatura, G; Fartmann, B; Dauner, D; Sterr, W; Holland, R; Weichseld R; Nyakatura, G; Fartmann, B; Dauner, D; Sterr, W; Holland, R; Weichseld submitted to the Protein Sequence Database, February 2000
                                                                                                                                                                                                                                                                                                                                                                   A;Molecule type: DNA A;Residues: 1-188 <STO> A;Cross-references: GB:AP001512; GB:BA000004; NID:910174030; PIDN:BAB05261.1; GSPDB:GN00 A;Experimental source: strain C-125 C;Genetics: A;Gene: spoVAE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       stage V sporulation protein AE spoVAE [imported] - Bacillus halodurans (strain c;Species: Bacillus halodurans C;Date: 01-Dec-2000 #sequence_revision 01-Dec-2000 #text_change 15-Jun-2001 C;Accession: F83842 R;Takami, H.; Nakasone, K.; Takaki, Y.; Maeno, G.; Sasaki, R.; Masui, N.; Fuji,
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A; Accession: F83842
A; Status: preliminary
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A;Tille: Complete genome sequence of the alkaliphilic bacterium Bacillus halodura;Reference number: A83650; MUID:20512582; PMID:11058132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      R;Tomb, J.F.; White, O.; Kerlavage, A.R.; Clayton, R.A.; Sutton, G.G.; Fleischmann, R.D. Peterson, S.; Loftus, B.; Richardson, D.; Dodson, R.; Khalak, H.G.; Glodek, A.; McKenneson, J.D.; Kelley, J.M.; Cotton, M.D.; Weidman, J.M.; Fujii, C.; Bowman, C.; Watthey, L. Nature 388, 539-547, 1997
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A; Residues: 1-178 < TOM>
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A;Accession: B64599
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C;Date: 09-Aug-1997 #sequence_revision 09-Aug-1997 #text_change 02-Sep-2000
C;Accession: B6499
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Escherichia coli hydrogenase-1 maturation factor hyaD
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llarity 100.0%;
Conservative
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b; Pred. No. 21;
0; Mismatches
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Mismatches
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A; Accession: T47768
A; Status: preliminary
A; Molecule type: DNA
A; Residues: 1-222 <NYA>
A; Cross-references: EMBL: AL138655
A; Experimental source: cultivar Col
A; Molecule type: DNA
A; Residues: 1-234 <KUR>
A; Cross-references: GB: AE007869; PIDN: AAK86891.1;
C; Genetics:
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R;Wood, D.W.; Setubal, J.C.; Kaul, R.; erage, G; Gillet, W.; Grant, C.; Guent; Karp, P.; Romero, P.; Zhang, S. Science 294, 2317-2323, 2001
                                                                                             A;Title: Genome Sequence of the Plant Pathogen A;Reference number: A97359; PMID:11743194 A;Accession: B97492
                                                                                                                                                       R;Goodner, B.; Hinkle, G.; Gattung, S.;
A.; Liu, F.; Wollam, C.; Allinger, M.;
Science 294, 2323-2328, 2001
                                                                                                                                                                                                                   azlC family protein [imported] - Agrobacterium tumefaciens (strain C;Species: Agrobacterium tumefaciens C;Date: 30-Sep-2001 #sequence_revision 30-Sep-2001 #text_change 01-C;Accession: B97492
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A; Residues: 1-234 <KUR>
A; Cross-references: GB:
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A;Note: F2413.160
C;Superfamily: DNA-directed RNA polymerase
                                                                            A;Status: preliminary
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C;Date: 11-Jan-2002 #sequence_revision 11-Jan-2002 #text_change 01-Mar-2002
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                                                                                                                                                                          Doughty,
                                                                                                                                                                                                 Miller, N.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6;
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26;
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                  PID:g15156113;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PID:g17739477;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Krespan,
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                  GSPDB:GN00169
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Chen,

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Gordon-Kam

B.; Goldn Markelz,

Goldm

A;Gene: AGR_C_2001
A;Map position: circular chromosome
C;Superfamily: hypothetical protein b2682

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uroporphyrin-III C-methyltransferase homolog ylnD - Bacillus subtilis
C;Species: Bacillus subtilis
C;Species: 05-Dec-1997 #sequence_revision 05-Dec-1997 #text_change 20-Jun-2000
C;Accession: D69877
R;Kunst, F; Ogasawara, N; Moszer, I; Albertini, A.M.; Alloni, G; Azevedo, V.; Berter
C; Bron, S; Broullet, S; Bruschi, C.V.; Caldwell, B; Capuano, V; Carter, N.M.; Chc
A; Ehrlich, S;D; Emmerson, P.T.; Entlan, K.D.; Errington, J; Fabret, C; Ferrari, E.
A;Authors: Foulger, D.; Fritz, C.; Fujitz, M.; Fujitz, Y.; Fuma, S; Galizzi, A.; Galler
lech, J; Harwood, C.R.; Henaut, A.; Hilbert, H.; Holsappel, S; Holsono, S; Hullo, M.F.
Koetter, P; Koningstein, G; Krogh, S; Kumano, M; Kuritz, K.; Lapidus, A.; Lardinois,
A;Authors: Lauber, J; Lazarevic, V; Lee, S;M.; Levine, A.; Liu, H; Masuda, S;Maueel
y, M; Ogawa, K.; Ogiwara, A.; Oudega, B; Park, S;H; Parro, V; Pohl, T;M.; Portetelle
y, M; Ogawa, K.; Ogiwara, A.; Oudega, B; Park, S;H; Parro, V; Pohl, T;M.; Scorfore,
A;Authors: Schleich, S; Schroeter, R; Scoffone, F; Sekiguchi, J; Sekowska, A; Scrot
akeuchi, M.; Tamakoshi, A.; Tamaka, T; Terpstra, P; Tognoni, A; Tosato, V.; Uchiyama,
T; Winters, P; Wipat, A.; Zumstein, E; Yoshikawa, H; Danchin, A.
A;Authors: Yoshikawa, H; Zumstein, E; Yoshikawa, H; Danchin, A.
A;Authors: Yoshikawa, H; Zumstein, E; Yoshikawa, H; Danchin, A.
A; Accession: D69877
A;Status: preliminary; nucleic acid sequence not shown; translation not shown
A; Minceule type: DNA
A; Minceule type: DNA
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                                                                                                                                                                                                                                    C;Accession: H97700

R;Ogata, H.; Audic, S.; Renesto-Audiffren, P.; Fournier, P.E.; Barbe, V.; Samson, D.; Science 293, 2093-2098, 2001

A;Title: Mechanisms of Evolution in Rickettsia conorii and Rickettsia prowazekii.

A;Reference number: A97700; MUID:21442074; PMID:11557893

A;Accession: H97700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A;Molecule type: DNA
A;Residues: 1-257 <KUN>
A;Cross-references: GB:Z99112; GB:AL009126; NID:g2633902; PIDN:CAB13435.1; PID:g2633934
A;Experimental source: strain 168
                                                                                                                                                                                                                                                                                                                                                                                                                                        hypothetical protein lpxA [imported] - Rickettsia conorii (strain Malish 7) C;Species: Rickettsia conorii (c;Date: 30-Sep-2001 #sequence_revision 30-Sep-2001 #text_change 22-Oct-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             В
C; Superfamily: UDP-N-acetylglucosamine acyltransferase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C; Superfamily: S-adenosyl-L-methionine uroporphyrinogen methyltransferase
                                                                                                          A;Cross-references: GB:AE006914; PIDN:AAL02546.1; PID:g15619040; GSPDB:GN00173
                                                                                                                                      A; Molecule type: DNA
A; Residues: 1-264 < KUR>
                                                                                                                                                                                                           A;Status: preliminary
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             21 ALKAIE 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14 ALKAIE 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity es 6; Conserv
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llarity 100.0%;
Conservative (
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100.0%; Pred. No. 28;
Live 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0;
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ΨQ.
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                                                              Qy
                                                                                                                                                                 A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-286 CKUR>
A;Residues: 1-286 CKUR>
A;Cross-references: GB:AL445566; PID:g14089523; PIDN:CAC13283.1; GSPDB:GN00153
A;Experimental source: strain UAB CTIP
C;Genetics:
                                                                                                                                                                                                                                                                                                                                    RESULT 15
F90525
                                                                                                                                                                                                                                                                                                                                                                               В
                                              Вb
                                                                                                                                  A;Gene: MYPU_1100
A;Genetic code: SGC3
C;Superfamlly: fructose-bisphosphate aldolase
                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 31.6%; Score 6; Best Local Similarity 100.0%; Pred. No. Matches 6; Conservative 0; Mismatc
                                                                                                 Query Match
Best Local 9
                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                               213 ALKAIE 218
                                                                                                                                                                                                                                                                                                                                                                                           14 ALKAIE 19
                                              91 ALKAIE
                                                                  14 ALKAIE 19
                                                                                                   Similarity
                                              96
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                                                                                                   31.6%;
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5. 29;
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Run

on:

us-09-897-778-176_copy_37_55.0ligo.rsp

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Title:
Perfect score:
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Maximum DB seq length: 2000000000
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Match
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19
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                                                                                                                                                                                                                                                                                                                                                                      Length DB
  RL37_CANAL
RPOL_SULSO
RS20_THEMA
RS14_CAUCR
RS14_RHILO
HIS2_AGRT5
Y13K_SSV1
YBX4_YEAST
PFD4_YEAST
                                                                                                                                        ISPG_BACHD
ISPG_BACSU
EFTU_FERIS
EFTU_SYNY3
Y634_METJA
IE12_HSV2
                                                                                                                                                                                                      SXL_DROME
SXL_DROSU
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RECA_THETH
SXL_CERCA
ISPG_CLOPE
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RRF_THETH
LPXA_RICCN
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 YLYS_BPPHV
A1S2_HUMAN
                       SODM_EPTST
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                                                                                                                 p33746 clostridium p33746 clostridium oppih campylobact o17310 musca domes p48297 thermus the o61374 ceratitis c p58667 clostridium p19339 drosophila O24668 drosophila O24668 drosophila O24618 bacillus su 050340 fervidobact p74227 synechocyst 058051 methanococc p14345 bardia alb 098086 sulfolobus
                                                                                                                                                                                                                                                                                          Q97196 clostridium
Q9wx76 thermus the
Q92799 rickettsia
P32199 rickettsia
P45528 escherichia
O97018 chrysomya r
                                O8uj91 agrobacteri
P20220 sulfolobus
P38269 saccharomyc
P53900 saccharomyc
P72777 synechocyst
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                                                                                    Q98n44
                                                                                  thermotoga
caulobacter
rhizobium l
lactococcus
h adapter r
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Result No.

Database :

Word size :

Searched:

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	Q05781 escherichia	-	P08315 escherichia	P22707 escherichia			P42408 bacillus su	P51645 xenopus lae	P43777 haemophilus	066550 aguifex aeo	Q9db50 m adapter-r	Q00382 h adapter-r	

ALIGNMENTS

RESI RRF. ID AC AC DT DT	ОУ		DR DR SQ	38888888	RA R	20000	ID ACC	RE
RESULT 2 RRF_THETH STANDARD; PRT; 185 AA. RC Q99X76; DT 30-MAY-2000 (Rel. 39, Created) DT 30-MAY-2000 (Rel. 39, Last sequence update) DT 16-OCT-2001 (Rel. 40, Last annotation update)	6 VDCPDE 11 13 VDCPDE 18	Query Match 31.6%; Score 6; DB 1; Length 75; Best Local Similarity 100.0%; Pred. No. 4.1; Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	EMBL; AE007684; AAK79722.1;	This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).	SEQUENCE FROM N.A. DSM 792 / VKM B-1787; SERQUENCE 624 / DSM 792 / VKM B-1787; STRAIN-ATCC 824 / DSM 792 / VKM B-1787; MEDLINE=21359325; PubMed-11466286; Noelling J. Breton G., Omelchenko M.V., Makarova K.S., Zeng Q., Gibson R., Lee H.M., Dubois J., Qiu D., Hitti J., Wolf Y.I., Tatusov R.L., Sabathe F., Doucette-Stamm L., Soucaille P., Daly M.J., Bennett G.N., Koonin E.V., Smith D.R.; "Genome sequence and comparative analysis of the solvent-producing bacterium Clostridium acetobutylicum."; J. Bacteriol. 183:4623-4638(2001)!- SIMILARITY: BELONGS TO THE UPF0109 FAMILY.			RESULT 1

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RESULT 3
LPXA_RICON
LD LPXA_R.
AC Q92JQ9)
DT 15-JUN
DT 1
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Best Local s
Matches 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LPXA_RICCN STANDARD; pRT; 264 AA. 092J09; 092J09; 15-JUN-2002 (Rel. 41, Created) 15-JUN-2002 (Rel. 41, Last sequence update) 15-JUN-2002 (Rel. 41, Last annotation update) 15-JUN-2002 (Rel. 41, Last annotation update) Acyl-[acyl-carrier-protein]--UDP-N-acetylglucosamine O-acyltransferase (EC 2.3.1.129) (UDP-N-acetylglucosamine acyltransferase).
                                                    "Mechanisms of evolution in Rickettsia conorii and R. prowazekii Science 293:2093-2098(2001).

1- FUNCTION: Involved in the biosynthesis of lipid A, a phosphorylated glycolipid that anchors the lipopolysaccharid the outer membrane of the cell (By similarity).

1- CATALYTIC ACTIVITY: (R)-3-hydroxytetradecanoyl-lacyl-carrier
                                                                                                                                                                                                                                            MEDLINE-21442074; PubMed-11557893;
Ogata H., Audic S., Renesto-Audiffren P., Fournier P.-E., Barbe V.,
Samson D., Roux V., Cossart P., Weissenbach J., Claverie J.-M.,
Raoult D.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Rickettsia conorii.
Bacteria; Proteobacteria; alpl
Rickettsiaceae; Rickettsieae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Interpro; IPR002661; RRF. Pfam; Pf01765; RRF; 1. TIGR0A96; frr; 1. Protein biosynthesis. SEQUENCE 185 AA; 20994 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entitles requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE FROM N.A. STRAIN-Malish 7;
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MEDLINE-99229778; PubMed-10214965;

FUJIWATA T., ICO K., NAKAYASHIKI T., NAKAMUTA Y.;

FUJIWATA T., ICO K., NAKAYASHIKI T., NAKAMUTA Y.;

FUNITATION IN TIDOSOME RECYCLING FACTORS OF ESCHETICHIA COLI AND
THERMUS THETMOPHILUS: EVIDENCE FOR C-terminal modulator element.";

FEBS LETT. 447:297-302(1999)

1- FUNCTION: RESPONSIBLE FOR THE RELEASE OF RIBOSOMES FROM MESSENGER
RNA AT THE TERMINATION OF PROTEIN BIOSYNTHESIS. MAY INCREASE THE
EFFICIENCY OF TRANSLATION BY RECYCLING RIBOSOMES FROM ONE ROUND OF
TRANSLATION TO ANOTHER (BY SIMILARITY).

1- SUBCELLULAR LOCATION: Cytoplasmic (By Similarity).

1- SIMILARITY: BELONGS TO THE RRF FAMILY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           NCBI_TaxID=781
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EMBL; AB016498; BAA76865.1;
HSSP; Q9X1B9; 1DD5.
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Thermaceae; Thermus.
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protein] +
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eae; Rickettsia.
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                                   [acyl-carrier
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RESULT 4
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Best Local
This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the pMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entitles requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                               P32199;
01-0CT-1993 (Rel. 27, Created)
01-0CT-1993 (Rel. 27, Last sequence update)
15-JUN-2002 (Rel. 41, Last annotation update)
Acyl-facyl-carrier-protein]--UDP-N-acetylglucosamine O-acyltransferase (EC 2.3.1.129) (UDP-N-acetylglucosamine acyltransferase).
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SEQUENCE
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PROSTE: PS00101; HEXAPEP_TRANSFERASES; 1.
Transferase; Acyltransferase; Lipid A biosynthesis; Lipid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EMBL; AE008569; AAL02546.1; -.
InterPro; IPR001451; Hexapep_transf.
                                                                                                                                                                                                                                                                                                                              MEDLINE=94171066;
                                                                                                                                                                                                                                                                                                                                              SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                       NCBI_TaxID=783;
                                                                                                                                                                                                                                                                                                                                                                                                    Bacteria; Proteobacteria;
                                                                                                                                                                                                                                                                                                                                                                                                                 Rickettsia rickettsii.
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PATHWAY: Lipid A biosynthesis; first step.
SUBUNIT: Homotrimer (By similarity).
SUBCELLULAR LOCATION: Cytoplasmic (By similarity).
SIMILARITY: BELONGS TO THE TRANSFERASE HEXAPEPTIDE REPEAT FAMILY.
                                                                                                                          LPXA SUBFAMILY.
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E 264 AA; 28513 MW; OBF3119F9C85D624 CRC64;
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eae; Rickettsia.
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Pred. No. 12
0; Mismatches
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o. 12;
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RESULT 5
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Best Local S
Matches 6
                                                                                                                    STRAIN=0157:H7 / RIMD 0509952;

MEDLINE=21156231; PubMed=11258796;

Hayashi T., Makino K., Ohnishi M., Kurokawa K., Ishii K., Yokoya Hayashi T., Makino K., Ohnishi M., Kurokawa K., Ishii K., Yokoya Han C.-G., Ohtsubo E., Nakayama K., Murata T., Tanaka M., Tobe Tida T., Takami H., Honda T., Sasakawa C., Ogasawara N., Yasunag Kuhara S., Shiba T., Hattori M., Shinagawa H.;

Kuhara S., Shiba T., Hattori M., Shinagawa H.;

*Complete genome sequence of enterohemorrhagic Escherichia coli O157:H7 and genomic comparison with a laboratory strain K-12.";

DNA Res. 8:11-22(2001).
                                                                                                                                                                                                                                                                                                                          MEDITNE-21074935 PubMed=11206551;
MEDITNE-21074935 PubMed=11206551;
Perna N.T., Plunkett G. III, Burland V., Mau B., Glasner J.D.,
Rose D.J., Mayhew G.F., Evans P.S., Gregor J.J., Kirkpatrick H.A.,
Posfai G., Hackett J., Klink S., Boutin A., Shao Y., Miller L.,
Posfai G., Backett J., Klink S., Boutin A., Shao Y., Miller L.,
Grotbeck E.J., Davis N.W., Lim A., Dimalanta E.T., Potamousis K.
Apoddaca J., Anantharaman T.S., Lin J., Yen G., Schwartz D.C.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       YRAL_ECOLI
P45528;
01-NOV-1995
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                                                                                                                                                                                                                                                                              Apodaca J., Anantharaman T.S., Lim J., Yen G., Schwartz D.C., Welch R.A., Blattner F.R.;
"Genome sequence of enterohaemorrhagic Escherichia coli 0157:H7.";
Nature 409:529-533(2001).
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Pfam; PF00132; hexapep; 7.
PROSITE; PS00101; HEXAPEP_TRANSFERASES;
                                                                                                                                                                                                                                                SEQUENCE FROM N.A. STRAIN=0157:H7 / R
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YRAL OR B3146 OR Z4505 OR ECS4027
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HSSP; P10440;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-NOV-1995 (Rel. 32, Last sequence up 16-OCT-2001 (Rel. 40, Last annotation
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                                                                                                            SIMILARITY:
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                                                                                                          BELONGS TO
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100.0%;
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Tobe T.,
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30-MAY-2000
16-OCT-2001
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097018;
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InterPro; IPR000578; Cor/por_Metransf.
InterPro; IPR000578; UPF0011.
InterPro; IPR000578; UPF0011.
InterPro; IPR00596; UPF0011.
ITGRFAMs; TIGR00096; UPF0011; 1.
PROSITE; PS01296; UPF0011; 1.
Hypothetical protein; Complete proteome.
Hypothetical protein; Complete proteome.
SEQUENCE 286 AA; 31348 MW; 886EA492858FB95C CRC64;
                                                                                                                                                                                                                              the European Bioinformatics Institute. The use by non-profit institutions as long modified and this statement is not removed entitles requires a license agreement (See or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                 This SWI
between
                                                                                      InterPro; IPR002343;
InterPro; IPR000504;
Pfam; PF00076; rrm; 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        J. Mol. Evol. 41:467-477(1995).
-i- FUNCTION: UNKNOWN; APPARENTLY NOT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Chrysomya rufifacies (Hairy maggot blowfly).
Eukaryota; Metazoa; Arthropoda; Mandibulata; Pancrustacea; Hexapoda;
Insecta; Pterygota, Neoptera; Endopterygota; Diptera; Brachycera;
Muscomorpha; Oestroidea; Calliphoridae; Chrysomya.
                                             PRINTS; PR00961; HUDSXLRNA SMART; SM00360; RRM; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                     -!- SUBCELLULAR LOCATION: Nuclear (By similarity).

!- ALTERNATIVE PRODUCTS: DIFFERENT ISOFORMS ARE PRODUCED BY SEX-INDEPENDENT ALTERNATIVE SPLICING.

!- DEVELOPMENTAL STAGE: EXPRESSED IN BOTH SEXES FROM THE ON CELLULAR BLASTODERM FORMATION THOUGHOUT DEVELOPMENT.

!- SIMILARITY: CONTAINS 2 RNA RECOGNITION MOTIFS (RRM).

!- CAUTION: IT IS UNCERTAIN WHETHER MET-1 IS THE INITIATOR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           entities requires or send an email t
PROSITE; PS50102; RRM; 2. PROSITE; PS00030; RRM_RNP_1;
                                                                                                                                                              EMBL; S79722; -; NO HSSP; P19339; 1SXL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mueller-Holtkamp F.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDLINE=96029145; PubMed=7563134;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sex-lethal protein
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(Rel. 39, Last sequence update)
(Rel. 40, Last annotation update)
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Matches 6
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DOMAIN
DOMAIN 1
SEQUENCE 30
                                                                                                                                                                                                                    SEQUENCE FROM N.A.

STRAIRNATCC 824 / DSM 792 / VKM B-1787;

MEDLINE-2135935; pubMed-11466286;

MODELINE-2135935; pubMed-11466286;

MODELING J. Breton G., Omelchenko M.V., Makarova K.S., Zeng O.,

Gibson R.; Lee H.M., Dubois J., Qiu D., Hitti J., Wolf Y.I.,

Tatusov R.L., Sabathe F., Doucette-Stamm L., Soucaille P., Daly M.J.,

Bennett G.N., Koonin E.V., Smith D.R.;

"Genome sequence and comparative analysis of the solvent-producing bacterium Clostridium acetobutylicum.";

J. Bacteriol. 183:4823-4838(201).

T. Buctriol: TRANSCRIPTIONAL REPERSSOR OF THE SOL LOCUS (ADHE/AAD, CTFA, CTFB AND ADC) GENES FOR BUTANOL AND ACETONE FORMATION.

SIMILARITY: CONTAINS 4 TPR REPEATS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE FROM N.A.
STRAIR-ATCC 824 / DSM 792 / VKM B-1787;
MEDLINE-99084972, PubMed-9864345;
Nair R.V., Green E.M., Watson D.E., Ben
"Regulation of the sol locus genes for
in Clostridium acetobutylicum ATCC 824
repressor.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE FROM N.A.
STRAIN-ATCC 824 / DSM 792 / VKM B-1787;
MEDLINE-94042861; PubMed-8226639;
Fischer R.J., Helms J., Duerre P.;
Fischer R.J., Helms J., Duerre P.;
"Cloning, sequencing, and molecular analysis of the sol operon "Clostridium acettobutylicum, a chromosomal locus involved in
                   EMBL;
EMBL;
                                                                        This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the PMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           repressor.";
J. Bacteriol. 181:319-330(1999).
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; X72831; CAA51342.1; -.; L14817; AAD04637.1; -.; AE001438; AAK76906.1; S33433; S33433.
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33648 MW;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Clostridiales;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            , Bennett G.N., Papoutsakis E.T.; for butanol and acetone formation 824 by a putative transcriptional
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Matches
EMBL; AL139074; CAB72795.1; -... HSSP; P24249; 1HMK.
InterPro; IPR004655; FabH.
InterPro; IPR001099; N-C_Synthase
ProDom; PD000453; N-C_Synthase; 1
TIGRFAMs; TIGR00747; fabH; 1.
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REPEAT
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16-ocr-2001 (Rel. 40, Last sequence update)
15-JUN-2002 (Rel. 41, Last annotation update)
3-oxoacy-1-[acy1-carrier protein] synthase III ketoacy1-xcP synthase III) (KAS III).
FABH OR CJ032BC.
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pfam; PF00515; TPR; 5.
SMART; SM00028; TPR; 4.
Transcription regulation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Campylobacter jejuni.
Bacteria; Proteobacteria;
Campylobacter.
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C synthase; 1.
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RP SEQUENCE FROM N.A.

RC STRAIN-NCTC 11168; PubMed=10688204;
RX MEDILINE=20150912; PubMed=10688204;
RR Parkhill J., Wren B.W., Mungall R., Feitwell T., Holroyd S.,
RR Parkhill J., Wren B.W., Mungall R., Feitwell T., Holroyd S.,
RR Parkhill J., Wren B.W., Mungall R.M., Feitwell T., Holroyd S.,
RR Parkhill J., Wren B.W., Moule S., Pallen M.J., Penn C.W.,
RR Jagels K., Karlyshev A.V., Moule S., Pallen M.J., Penn C.W.,
RR Jagels K., Karlyshev A.V., Moule S., Pallen M.J., Penn C.W.,
RR Quail M.A., Rajandream M.A., Rutherford K.M., van Vliet A.H.M.,
RR Withehead S., Barrell B.G.;
RR With
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TPR 4.
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                                                                                                                                                                                                                                                                    a collaboration
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RESULT 9

SXL_MUSDO

AC 017310; 017309;
D7 30-MAY-2000 (Rel. 39, Created)
D7 30-MAY-2000 (Rel. 39, Last sequence update)
D7 16-0CT-2001 (Rel. 40, Last annotation update)
D7 16-0CT-2001 (Rel. 40, Last annotation update)
D8 5xL.

SXL.

CS Musca domestica (House fly).
CS Musca domestica; Metazoa; Archropoda; Mandibulata; Pano CC Insecta; Pterygota; Meptera; Endopterygota; Diplo Muscomorpha; Muscaidea; Musca
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PRINTS; PRUVUL

PRINTS; PRUVUL

SMART; SM00360; RRM; 2.

A PROSITE; PS50102; RRM; 2.

A PROSITE; PS501020; RRL RNP_1: 1.

AR PROSITE; PS0030; RRL RNP_1: 1.

AR RNA-binding; Repeat; Nuclear pr

FT DOMAIN 102 180

DOMAIN 188 268 F

DOMAIN 88 94
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Best Local S
Matches 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Fatty acid biosynthesis;
Multifunctional enzyme; C
ACT_SITE 114
ACT_SITE 246
ACT_SITE 276
ACT_SITE 276
ACT_SITE 276
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Noethiger R., Bopp D.,

**Sex-lethal, the master sex-determining gene in Drosophila, is sex-specifically regulated in Musca domestica.";

Bevelopment 125:1487-1494(1998).

Bevelopment 125:17487-1494(1998).

Bevelopment 125:100: UNKOWN; APPARENTLY NOT INVOLVED IN SOMATIC SEX DETERMINATION.

**BUNCTION: UNCOUNT.**

**DETERMINATION: NUCLEAR: 1 ISOFORMS; SXLC1 AND SXLC2 ALTERNATIVE PRODUCTS: AT LEAST 2 ISOFORMS; SXLC1 AND SXLC2 (SHOWN HERE); ARE PRODUCED BY ALTERNATIVE SPLICING.

**SHOWN HERE); ARE PRODUCED BY ALTERNATIVE SELICING.

**SHOWN HERE); ARE PRODUCED BY ALTERNATIVE SELICING.

**THROGGHOUT DEVELOPMENT, BUT NOT IN THE POLE CELLS WHICH ARE TREASURED IN SOMATIC CELLS.
                                                                                                                                                                                                                                                                                                                                       This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE
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Insecta; Pterygota; Neoptera; Endopterygota; Diptera; Brachycera;
Muscomorpha; Muscoldea; Muscidae; Musca
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     14 ALKAIE 19
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DEVELOPMENTAL STAGE: EIRST APPEARS IN BLASTODERM EMBRYOS AFTER ORSET OF CELLULARISATION.

SIMILARITY: CONTAINS 2 RNA RECOGNITION MOTIFS (RRM).
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246
276
324 AA;
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276 E
35165 MW;
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Pred. No. 15;
0; Mismatches
                                      protein; Alternative RNA-BINDING (RRM) 1. RNA-BINDING (RRM) 2. POLY-GLY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                B1DE49F008016D9E
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Acyltransferase;
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                                        QΥ
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Best Local
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SO FT
EMBL; U03058; AAA64935.1; -.
EMBL, D17392; BAA04215.1; -.
EMBL, AF331800; AAAK15321.1; -.
HSSP, P263445; 1G19.
InterPro; IPR003593; AAA_ATPASe.
InterPro; IPR001553; RecA.
Pfam; PF001154; recA.
PRINTS; PR00142; RECA.
ProDom; PD000229; RecA; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE FROM N.A. 7634;
STRAIN-HBB / ATCC 27634;
MEDLINE-94186518; PubMed-8138553;
Kato R., Kuramitseu S.;
RecA protein from an extremely thermophilic
                                                                                                                                                                                                             This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to licensedisb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                   Casares L., Castan P., Barbe J., Berenguer J.;

"Analysis of the Thermus thermophilus HB27 RecA.";

"Analysis of the Thermus thermophilus HB27 RecA.";

submitted (DEC-2000) to the EMBL/GenBank/DDBJ databases.

"In PUNCTION: Can catalyze the hydrolysis of ATP in the presence of single-stranded DNA, The ATP-dependent uptake of single-stranded DNA by duplacs DNA, and the ATP-dependent hybridization of homologous single-stranded DNAs. It interacts with lexA causing its activation and leading to its autocatalytic cleavage.

"ISUSCELLULAR LOCATION: Cytoplasmic (By similarity)."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE FROM N.A.
MEDLINE-95014407; PubMed-7929298;
Wetmur J.G., Wong D.M., Ortiz B., Tong J., Re
"Clonding, Sequencing, and expression of Reca
distantly related thermophilic subacteria.";
J. Biol. Chem. 269:25928-25938(1994).
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01-FEB-1996 (Rel. 33, Created)
15-JUN-2002 (Rel. 41, Last sequence u
15-JUN-2002 (Rel. 41, Last annotation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              VARSPLIC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE FROM N.A.
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Pred. No.
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YHYPYL (IN 150FORM SXLC1).
NV -> GT (IN REF. I; AABB1985).
A665216EEA5CF767 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     group; Deinococci; Thermales;
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o. 15;
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RESULT 11
SXL_CEERCA
AC 06112
AC 06127
AC 07

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CC : SUBCELIULAR LOCATION: Nuclear.

CC : ALTERNATIVE PRODUCTS: DIFFERNT ISOFORMS; ADULT-SPECIFIC ISOFORMS

CC : ALTERNATIVE PRODUCTS: DIFFERNT ISOFORMS E1, E2 AND E3 (SHOWN

A1, A2, A3, A4, AND EMBRYO-SPECIFIC ISOFORMS E1, E2 AND E3 (SHOWN

CC : PARESSED IN THE PRODUCED BY ALTERNATIVE SPLICING.

CC : EXPRESSED IN THE PROCENTION CELLS OF THE GENEVALUE.

CC : SIMILARITY: CONTAINS 2 RNA RECOGNITION MOTIFS (RRM).

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CC or send an email to license@isb-sib.ch).
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Best Local
Matches
EMBL; AF026145; AAC38968.1; -.
HSSP; P19339; ISXL.
InterPro: [PR000504; RNM_rec_mot.
Pfam; PF00076; rrm; 2.
SMART; SM00360; RRM; 2.
PROSITE; PS00102; RRM; 2.
PROSITE; PS00102; RRM; 2.
PROSITE; PS00102; RRM, RRP_1; 1.
PROSITE; PS001030; RRM_RRP_1; 1.
DMAIN 1 27
GLY/ASN-RICH DOMAIN.
DOMAIN 110 188 RNA-BINDING (RRN) 1.
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SEQUENCE
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061374;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRAINE-Benakelon: STRAINE-Benakelon: Artiaco D., Giordano E., Bopp D., Polito L.C.; Saccone G., Peluso I., Artiaco D., Giordano E., Bopp D., Polito L.C.; "The Ceratitis capitata homologue of the Drosophila sex-determining gene Sex-lethal is structurally conserved, but not sex-specifically regulated."; Tegulated."; Development 125:1495-1500(1998).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SMART; SM00382; AAA; 1.

PROSITE; PS00331; RECA_1; 1.

PROSITE; PS50162; RECA_2; 1.

PROSITE; PS50163; RECA_3; 1.

PROSITE; PS50163; RECA_3; 1.

PROSITE; PS50163; RECA_3; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE FROM N.A. STRAIN-Benakeion;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ceratitis capitata (Mediterranean fruit fly).
Eukaryota; Metazoa; Arthropoda; Mandibulata; Pancrustacea; Hexapoda;
Insecta; Pterygota; Neoptera; Endopterygota; Diptera; Brachycera;
Muscomorpha; Tephritoidea; Tephritidae; Ceratitis,
NCBI_TaxID=7213;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     30-MAY-2000 (Rel. 39, Created)
30-MAY-2000 (Rel. 39, Last sequence update)
15-JUN-2002 (Rel. 41, Last annotation update)
Sex-lethal protein homolog (CCSXL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             14 ALKAIE 19
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Similarity 100.0%;
6; Conservative 0;
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Pred. No. 15;
0; Mismatches
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ATP (BY SIMILARITY).
A -> G (IN REF. 3).
C -> A (IN REF. 1).
C -> A (IN REF. 3).
C -> T (IN REF. 3).
SDO -> AGE (IN REF. 3).
SDO -> AGE (IN REF. 3).
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Best Local S
Matches 6
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Best Local S
Matches 6
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InterPro; IPR004588; GcpE.
InterPro; IPR000660; NiI_Sir.
InterPro; IPR000606; NiI_Sir.
InterPro; IPR000601; IRSIR; 1.
TIGRAMS; TIGR00612; GcpE; 1.
Isoprene biosynthesis; Complete p
SEQUENCE 349 AA; 38017 MW; FC
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DOMAIN
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SEQUENCE
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P$8667;
15-JUN-2002 (Rel. 41, Created)
15-JUN-2002 (Rel. 41, Last sequence update)
15-JUN-2002 (Rel. 41, Last sequence update)
15-JUN-2002 (Rel. 41, Last annotation update)
15-JUN-2002 (Rel. 41, Last annotation update)
15-JUN-2002 (Rel. 41, Last annotation update)
15-JUN-2002 (Rel. 41, Last sequence update)
15-JUN-2002 (Rel. 41, Created)
15-JUN-2002 (Rel. 41, Last sequence update)
15-JUN-2002 (Rel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to licensee(sb sib.ch).
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152 GYAFVD 157
                        SXL_DROME
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STRAIN-13 / Type A;
                                                                                                                                                                                    88
                                                                                                                                                                                                                                            14 ALKAIE 19
                                                                                                                                                                                                                                                                                                        Similarity
6; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          n 31.6%; Score 6; DB 1; Similarity 100.0%; Pred. No. 16; 6; Conservative 0; Mismatches
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68
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75 P
99 P
311 P
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316 MW;
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POLY-GLY.
POLY-GLY.
POLY-GLY.
POLY-FRO.
MISSING (IN ISOFORM A1).
MISSING (IN ISOFORM A1).
                            PRT;
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                            354
                                                                                                                                                                                                                                                                                                                                        DB 1;
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                                                                                                                                                                                                                                                                                                                                                                        Length 349;
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RA Ballew R. M., Basu A., Baxendale J., Budraktaroglu L., Beasley E.M.,
RA Beeson K.Y., Benos P.V., Berman B.P., Bhandari D., Bolshakov S.,
RA Borkova D., Botchan M.R., Bouck J., Brokstein P., Brottier P.,
RA Burtis K.C., Busam D.A., Butler H., Cadieu E., Center A., Chandra I.,
RA Cherry J.M., Cawley S., Dahlke C., Davenport L. B., Davies P.,
RA de Pablos B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,
RA de Pablos B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,
RA de Pablos B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,
RA Dodson K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,
RA Dodson K., Devi L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,
RA Fosler C., Gabrielian A.E., Garg N.S., Gelbart W.M., Glasser K.,
RA Glodek A., Gong F., Gorrell J.H., Gu Z., Gunn P., Harris M.,
RA Harris N.L., Harvey D., Heiman T.J., Hernandez J.R., Houck J.,
RA Hostin D., Houston K.A., Howland T.J., Wei M.-H., Ibegwam C.,
RA Kimmel B.E., Kodira C.D., Kraft C., Kravitz S., Kulp D., Lai Z.,
RA Kimmel B.E., Kodira C.D., Kraft C., Kravitz S., Kulp D., Lai Z.,
RA Liu X., Mattei B., McIntosh T.C., McLeod M.P., McPherson D.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshrefi A.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Weiser D.R.,
RA Palazzolo M., Pittman G.S., Pan S., Pollard J., Puri V., Reese M.G.,
RA Reinert K., Remington K., Saunders R., Venter E., Wang A.H., Wang X.,
RA Spier E., Spradling A.C., Stapleton M., Skupski M.P., Smith T.,
RA Spier B.C., Siden-Kiamos I., Simpson M., Skupski M.P., Smith T.,
RA Wang Z.-Y., Wassarman D.A., Weinstock G.M., Weissenbach J.,
RA Wang Z.-Y., Wassarman D.A., Weinstock G.M., Weissenbach J.,
RA Zheng X.H., Zhong F.N., Zhong K., Zhan M., Zhang G., Zhao Q.A.,
RA Gibbs R.A., Myers E.W., Rubin G.M., Venter J.C.;
RT Tengence Sequence of Drosophila melanogaster.",
RI Science 287:2185-2195(2000).
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Drosophila melanogaster (Fruit fly).

Drosophila melanogaster (Fruit fly).

Eukaryota; Metazoa; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Ensecta; Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Insecta; Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha; Ephydroidea; Drosophilidae; Drosophila.
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01-NOV-1990 (Rel. 16, Created) 
01-NOV-1990 (Rel. 16, Last sequence update) 
16-OCT-2001 (Rel. 40, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N., Sutton G.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.X., Brandon R.C., Rogers Y.-H.C., Blazej R.G., Champe M., Pfeiffer B.D., Wan K.H., Doyle C., Baxter E.G., Helt G., Nelson C.R., Miklos G.L.G., Abril J.F., Agbayani A., An H.-J., Andrews-Pfannkoch C., Baldwin D., Abril J.F., Agbayani A., An H.-J., Andrews-Pfannkoch C., Baldwin D., Andrews
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Bell L.R., Maine E.M., Schedl P., Cline T.W.; "Sex-lethal, a Drosophila sex determination switch gene, exhibits sex-specific RNA splicing and sequence similarity to RNA binding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              determination gene
polypeptides.";
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"The complex set of late transcripts i
determination gene sex-lethal encodes
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Adams M.D.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDLINE=20196006; PubMed=10731132;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRAIN=Berkeley;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDLINE=91260708; PubMed=1710769;
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                                                            "The genome sequence of Dros
Science 287:2185-2195(2000).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE FROM N.A. (ISOFORMS MS3; MS11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE FROM
SEQUENCE OF 1-26 FROM N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Scherer S.E., Li P.W.,
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(ISOFORM EMBRYO-SPECIFIC).
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Li P.W., Hoskins R.A.,
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MEDLINE-92191272; PubMed-1547493; Keyes L.N., Cline T.W., Schedl P.; "The primary sex determination signal of Drosophila acts at the of transcription."; Cell 68:933-943(1992).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DEVELOPMENT BY SEX-SPECIFIC SPLICING, REGULATES DOSAGE

COMPENSATION IN FEMALES BY SUPPRESSING HYBERACTIVATION OF THE EMBRYO-SPECIFIC ISOFORM IS UNDER THE
GENES. EXPRESSION OF THE EMBRYO-SPECIFIC ISOFORM IS UNDER THE
GENES. THE EXPRESSION OF THE EMBRYO-SPECIFIC ISOFORM IS UNDER THE
CONTROL OF PRIMARY SEX-DETERMINING SIGNAL, WHICH DEDENDS ON THE
RATIO OF X CHROMOSOMES RELATIVE TO AUTOSOMES (X:A RATIO).

EXPRESSION OCCURS IN 2X:2A CELLS, BUT NOT IN X:2A CELLS. THE X:A
RATIO SEEMS TO BE SIGNALED BY THE RELATIVE CONCENTRATION OF THE X-
LINKED TRANSCRIPTION FACTORS SIS-A AND SIS-B. AS A RESULT, THE
EMBRYO-SPECIFIC PRODUCT IS EXPRESSED EARLY ONLY IN FEMALE WHERE IT
IS NOT EXPRESSED, THE DEFAULT SPECIFIC SPLICING; IN THE MALE WHERE IT
IS NOT EXPRESSED, THE DEFAULT SPECIFIC SPLICING A POSITIVE
NONFUNCTIONAL PROTEIN. THE FEMALE-SPECIFIC ISOFORM SPECIFIC STHE
SPLICING OF ITS OWN TRANSCRIPT, THEREBY INITIATING A POSITIVE
AUTOREGULATORY FEEDBACK LOOP LEADING TO FEMALE DEVELOPMENT
PATHWAY. THE FEMALE-SPECIFIC ISOFORM CONTROLS THE SEX-SPECIFIC
SPLICING OF TRANSFORMER (TRA); ACTS AS A TRANSLATIONAL REPRESSOR
FOR MALE-SPECIFIC LETTHAL-2 (MSL-2) AND PREVENTS MALE-LESS (MLE);

MICHIEVE AND MALE-SPECIFIC LETTHAL-2 (MSL-2) AND REPOWNER THE SEX-MALE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Lee A.L., Kanaar R., Rio D.C., Wemmer D.E.; Resonance assignments and solution structure of the second "RNA-binding domain of sex-lethal determined by multidimensional heteronuclear magnetic resonance."; Biochemistry 33:13775-13786(1994).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sakamoto H., Inoue K., "Control of Drosophila specific product.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Penalva L.O.F., Sakamoto H., Navarro-Sabate Granadino B., Segarra C., Sanchez L.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE
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                                                                                                 CHROMOSOME.

CHROM
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDLINE=93087158; PubMed=1454517;
Sakamoto H., Inoue K., Higuchi I.,
"Control of Drosophila Sex-lethal |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Genetics
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"Regulation of the gene Sex-lethal: a of the gene Sex-lethal of the description of the gene Sex-lethal of the description 
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This SWISS-PROT en between the Swiss
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                                   entry is copyright.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PubMed=7524663;
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Bioinformatics

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EMBL; M23636; AAA28884.1; -.
EMBL; M23636; AAA28882.1; -.
EMBL; M25947; AAA28922.1; -.
EMBL; M59448; AAA28921.1; -.
EMBL; AE003439; AAC22410.1; -.
EMBL; AE003439; AAC22410.1; -.
EMBL; AE003439; AAC22411.1; -.
EMBL; B88324; AAB21845.1; -.
EMBL; B88324; AAB21845.1; -.
EMBL; B83639; BAA2294.1; -.
EMBL; B83639; BAA2294.1; -.
EMBL; B31639; B31639; B1639294.1; -.
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EMBL; B31639; B3163924.1; -.
EMBL; B31639; B316392.1; -.
EMBL; B316392.1; -.
                          Drosophila subobscura (Fruit fly).
Eukaryota: Metazoa; Arthropoda; Mandibulata; Pancrustacea; Hexapoda;
Insecta; Pterrygota; Neoptera; Endopterygota; Diptera; Brachycera;
Muscomorpha; Ephydroidea; Drosophilidae; Drosophila,
NCBI_TaxID=7241;
                                                                                                                                                                                                                                                    SXL_DROSU STANDARD; PRT; 22468; Q24665; Q24666; Q24667; Q24667 (Rel. 40, Created) 16-OCT-2001 (Rel. 40, Last sequence up 16-OCT-2001 (Rel. 40, Last annotation coultby)
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n; 3D-Structure; Polymorphism.
RNA-BINDING (RRM) 1.
RNA-BINDING (RRM) 2.
GLY/ASN-RICH.
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POLY-SER.

POLY-PRO.

MYGNNNPGSNNNNNGGYPPYGYNNKS -> MDENFDTYTPCS
MYGNNNPGSNNNNNGGYPPYGYNNKS -> MDENFDTYTPCS
MYGNNNPGSNNNNNGGYPPYGYNNKS -> MIFFISPERSSHH
YHRKAKDTH (IN ISOFORM MALE-SPECIFIC CM1).

MISSING (IN SOME CLONES).

MISSING (IN ISOFORM MALE-SPECIFIC CM1).

MISSING (IN ISOFORM MALE-SPECIFIC CM1).

GRSIKSOGORFONSHPYPDAKKFI -> DGAMEKLRSLEDAI
CDAIFGLDSENFADLLDGLYRRKYHYPYL (IN ISOFORM
FEMALE-SPECIFIC MS11).

GRSIKSOGORFONSHPYDDAKKFI -> GENFADLLDGLYRR
KYHYPYL (IN ISOFORM FEMALE-SPECIFIC
MS15.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 6; DB 1;
Pred. No. 16;
0; Mismatches
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P -> S.
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RA PENDITUS L.O.F., SADCHEZ L.;

RA SUMMITTED (AUG-1999) to the SWISS-PROT data bank.

CC -!- FUNCTION: SEX DETERNINATION SWITCH PROTEIN WHICH CONTROLS SEXUAL

CC -!- FUNCTION: SEX DETERNINATION SWITCH PROTEIN WHICH CONTROLS SEXUAL

CC -!- FUNCTION: SEX DETERNINATION SWITCH PROTEIN WHICH CONTROLS SEXUAL

CC -!- FUNCTION: SEX DETERNING SWITCH PROTEIN WHICH CONTROLS

CC -!- FUNCTION IN FEMALES BY SUPPRESSING HYPERACTIVATION OF X-LINKED

CC C CONTROL OF X CHROMOSOMES RELATIVE TO AUTOSOMES (X:A RATIO).

CC C RATIO OF X CHROMOSOMES RELATIVE TO AUTOSOMES (X:A RATIO).

CC C RATIO OF X CHROMOSOMES RELATIVE TO AUTOSOMES (X:A RATIO).

CC C EXPRESSION OCCURS IN 2X:2A CELLS, BUT NOT IN X:2A CELLS. THE X:A

CC C EMBRYO-SPECIFIC PRODUCT IS EXPRESSED EARLY ONLY IN FEMALE EMBRYO-SPECIFIC SPLICING IN THE MALE WHERE IT

CC C EMBRYO-SPECIFIC PRODUCT IS EXPRESSED EARLY ONLY IN FEMALE EMBRYO-SPECIFIC SPLICING GIVES RISE TO A TRUNCATED.

CC AND SPECIFICS FEMALE-ADULT SPECIFIC SPLICING IN THE MALE WHERE IT

CC SPLICING OF ITS OWN TRANSCRIPT, THEREBY INITIATING A POSITIVE

CC SPLICING OF TRANSCRIPTIC ISOFOME CONTROLS THE SEX-SPECIFIC

CC SPLICING OF TRANSCRIPTIC ISOFOME CONTROLS THE SEX-SPECIFIC

CC SPLICING OF TRANSCROMER (TRA); ACTS AS A TRANSLATIONAL REPRESSOR

CC SPLICING OF TRANSCROMER (TRA); ACTS AS A TRANSLATIONAL REPRESSOR

CC SPLICING OF TRANSCROMER (TRA); ACTS AS A TRANSLATIONAL REPRESSOR

CC MSL-1 AND MSL-3 PROTEINS FROM ASSOCIATING WITH THE FEMALE X

CC FORMALE-SPECIFIC (SHOWN HERE) AND MALE-SPECIFIC; ARE PRODUCED BY

CC -!- TISSUE SPECIFIC SHOWN HERE) AND MALE-SPECIFIC; ARE PRODUCED BY

CC -!- TISSUE SPECIFIC SHOWN HERE) AND MALE-SPECIFIC; ARE PRODUCED BY

CC -!- TISSUE SPECIFIC STAGE: THE EMBRYO-SPECIFIC FORM IS EXPRESSED DURING

CT THE SYNCITIAL STAGE: THE EMBRYO-SPECIFIC FORM IS EXPRESSED DURING

CHARLE-SPECIFIC STAGE: THE EMBRYO-SPECIFIC FORM IS CHROMOSOMAL

CC THE SYNCIPLE STAGE: THE EMBRYO-SPECIFIC FORM IS NOT EXPRESSED DURING

CC THE SYNCIPLE STAGE: THE EMBRYO-SPECIFIC FORM IS NOT EXPRESSED DURING

CC
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EMBL; X98371; CAA67017.1; ALT_FRAME.
EMBL; X98371; CAA67018.1; --
EMBL; X98371; CAA67019.1; ALT_FRAME.
HSSP; P19339; 13XL.
FlyBase; FBgn0016371; Dsub\Sxl.
InterPro; IPR000504; RNA_rec_mot.
Pfam: PP00076; rrm; 2.
SMART; SM00360; RRM; 2.
PROSITE; PS00030; RRM, RNP_1; 1.
SSEXUAL differentiation; RNA-binding; A
                   DOMAIN
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REVISIONS
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SEQUENCE FROM N.A. (ISOFORMS FEMALE; EMBRYO AND MALE-SPECIFIC)
MEDITIVE=97132600; PubMed=9978052;
Penalva L.O.F., Sakamoto H., Navarro-Sabate A., Sakashita E.,
Granadino B., Segarra C., Sanchez L.;
"Regulation of the gene Sex-lethal: a comparative analysis of Drosophila melanogaster and Drosophila subobscura.";
Genetics 144:1653-1664(1996).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SIMILARITY).

SIMILARITY: CONTAINS 2 RNA RECOGNITION MOTIFS (RRM).

CAUTION: REF.1 SEQUENCE DIFFERS FROM THAT SHOWN DUE TO FRAMESHIFTS.
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DOMAIN: THE GLY-ASN RICH DOMAIN IS REQUIRED FOR THE COOPERATIVE INTERACTION WITH RNA AND FOR REGULATING THE SPLICING ACTIVITY ()
RNA-binding; Alternative splicing; Repeat;
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RNA-BINDING (
GLY/ASN-RICH.
POLY-SER.
POLY-GLY.
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15-JUN-2002 (Rel. 41, Created)
15-JUN-2002 (Rel. 41, Last sequence update)
15-JUN-2002 (Rel. 41, Last annotation update)
1-hydroxy-2-methyl-2-(E)-butenyl 4-diphosphate synthase.
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InterPro; IPR000660; Nir_Sir.
Pfam; PP0107; NIR_SIR; 1.
TIGRRAMS; TIGR00612; gcpE; 1.
Isoprene biosynthesis; Complete proteome.
SEQUENCE 367 AA; 39581 MW; 217DD02965AAD2AD CRC64;
                                                                                                                                                                                                                                                  This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/
                                                                                                                                                                                                                                                                                                                                                     "Complete genome sequence of the alkaliphilic bacterium Bacillus halodurans and genomic sequence comparison with Bacillus subtilis."; Nucleic Acids Res. 28:4317-4331(2000).
i- FUNCTION: Converts 2C-methyl-D-erythritol 2,4-cyclodiphosphate (ME-2,4cP) into 1-hydroxy-2-methyl-2-(E)-butenyl 4-diphosphate (By similarity).
(By similarity).
i- PATHWAY: Nonmevalonate terpenoid biosynthesis pathway; sixth step.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDLINE=20512582; PubMed=11058132;
Takami H., Nakasone K., Takaki Y., Maeno G., Sa
Fuji F., Hirama C., Nakamura Y., Ogasawara N.,
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Bacillus halodurans.
Bacteria; Firmicutes; Bacillales; Bacillaceae; Bacillus
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., Kuhara S.,
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000425 homo sapien
094054 mus musculu
09cpn8 mus musculu
09cpn8 mus musculu
09cpn8 mus musculu
092254 gallus gall
09nzi8 homo sapien
088477 mus musculu
09pw80 brachydanio
057526 xenopus lae
07393 xenopus lae
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198593 awycolatops
052816 amycolatops
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09x24 drosophila
08ryu3 drosophila
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TISSUE-PANCREAS;

Mueller-pillasch F., Lacher U., Wallrapp C.;

A Mueller-pillasch F., Lacher U., Wallrapp C.;

R SUBMitted (OCT-1996) to the EMBL/GenBank/DDBJ databases.

R EMBL; U97105; AAC03208.1; -

R EMBL; U97105; AAD09223.1; -

R InterPro; IPR004087; KH_dom.

R InterPro; IPR004087; KH_dom.

R InterPro; IPR004088; KH_Lype_1.

R InterPro; IPR004088; KH_Lype_1.

R InterPro; IPR000504; RNA_Tec_mot.

R Ffam; PF00013; KH-domain; 4.

R Pfam; PF00015; KH-domain; 4.

R Pfam; PF00076; KT, 4.

R SMART; SM003260; RM; 2.

R SMART; SM00360; RM; 2.
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ORELIMINARY; PRT; 579 AA.

O00425;

O1-JUL-1997 (TERMBLrel. 04, Created)
O1-JUL-1997 (TERMBLrel. 04, Last sequence update)
O1-JUL-1997 (TERMBLrel. 21, Last annotation update)
Putative RNA binding protein KOC (KOC).

KOC.

KOC.

BURARYOCA; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalla; Butheria; Primates; Catarrhini; Hominidae; Homo.

NCBL_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PROSITE; PSS0084; KH_TYPE_1; 4.
PROSITE; PSS0102; RRW, 72.
PROSITE; PS00030; RRW, RNP_1; FALSE_NEG.
PROSITE; PS00030; RRW, AP. 1; FALSE_NEG.
SEQUENCE 579 AA; 63720 MW; AE5C3ABEE3C135C5 CRC64;
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Mueller-Pillasch F.,
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           19; Conserv
        100.0%; Score 19; DB 4; ilarity 100.0%; Pred. No. 3.7e-12; Conservative 0; Mismatches 0;
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O9mm457 elaecis guin
O9chz2 lactococcus
O9chz2 lactococcus
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O25351 helicobacte
O9zlk2 helicobacte
O9zlk2 helicobacte
O9zlk2 helicobacte
O9zlk2 helicobacte
O9zlk3 hiootiana b
O9mil) arabidopsis
O8s3u3 nicotiana b
O8sqb0 ralstonia s
O9sqb0 ralstonia s
O9ara0 mycoplasma
O9zlu5 salmonella
O8z3f0 salmonella
O8z3f0 salmonella
O9bk4 lucilia cup
O9zsd9 rhizobium m
O9zh44 versinia pe
O9bw5 coccidioide
O83556 treponema p
O83556 treponema p
O83556 costridium
O82561 caenorhabdi
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AC Q9
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RE SEQUENCE STRAIN-657 FISSUE-EMBRYO;

RE STRAIN-6578L/661; PLOMMON S. YEMBOLINE-21085660; PLOMMON S., Shibata K. XEANDALINE-21085660; PLOMMON S., YEMBOLINE S., SHID S., YEMBOLINE S., MARCHI J., FUKUMGA S., YEMBOLINE S., SALICO T., OKAZAKI Y., GOJOBOTI T., BONO H., KABUKAWA T., SALICO R.

RE A SALICO T., OKAZAKI Y., GOJOBOTI T., BONO H., KABUKAWA T., SALICO R.

RE RE SCHITHL L. M., STAUBLI F., SUZUKI R., TOMILE M., WASHOL Y., WASHOL T., SHID J. R.

RE SCHITHL L. M., STAUBLI F., SUZUKI R., TOMILE M., WASHOL T., BAYSH G., PASOL G., QUACKEDUSH J., RE SALAKI K., OKIGO T., FURUNO M., AONO H., BAIGARELLI R., BAYSH G., BIAKE J., BOFFELLI D., BOJUNGA N., CAITINCI P., de BONDIGO M.F., RE SALAKI K., OKIGO T., FURUNO M., AONO H., BAIGARELLI R., BAYSH G., BIAKE J., BOFFELLI D., HOTMAND M., CAITINCI P., de BONDIGO M.F., R.

RE SALAKI H., SALO K., SCHOENBACH C., FIETCHER C., FULL R., GAITINOID M., LEE N.H., LEE N.H., LEE N.H., SASAKI H., TSOYO-OKA K., MANDER H., WASHIRA J., MOMBAGIT S., SHIDLD M., RODITSUE J., SKAMMOTO N., R.

RE SABAKI H., TSOYO-OKA K., WANG K.H., WELTZ C., WHITTEKE Y., STOTCH K.-F., RA

RE MYDSHAW-BOYLS A., YOSHIDA K., HASEGAWA Y., KAWAJI H., KOHTSUKI S., Y.

RE MALICANIA H., TSOYO-OKA K., WANG K.H., WELTZ C., WALLEAKE Y., STOTCH K.-F., RA

REMBLI, AKOLITYJ, BABZJER B.]; -.

DR MGD, MGI:1890359; ISTAUBLI C., BAYSTESSONO C. DNA COLLECTION.";

REMBLI, AKOLITYJ, BABZJER B.]; -.

DR MGD, MGI:1890359; ISTAUBLI L.

DR MGD, MGI:18903
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01-JUN-2001 (TrEMBLrel. 21, Las
01-JUN-2002 (TrEMBLrel. 21, Las
01-JUN-2002 (TrEMBLrel. 21, Las
01-JUN-2002 (TrEMBLrel. 21, Las
06)0101N11R1k protein.
1GF2BP3 0R 2610101N11R1K.
Mus musculus (Mouse).
Eukaryota; Metazoa; Chordata; C:
Mammalla; Eutheria; Rodentia; SC
NCBL_TaxID-10090;
                                                                                                                                                                                                   O9CPN8 PRELIMINARY: PRT; 579 AA.

O9CPN8; O1-JUN-2001 (TrEMBLrel. 17, Created)
O1-JUN-2001 (TrEMBLrel. 17, Last sequence update)
O1-JUN-2002 (TrEMBLrel. 21, Last annoctation update)
O1-JUN-2002 (TrEMBLrel. 21, Last annoctation update)
O1 days embryo clond, RIKEN full-length enriched library,
clone:2610036B18, full insert sequence (Igf2 mRNA-binding
וור (הפרצשים) מר 26101011N11RIK OR MIMP3.
Mus musculus (Mouse).
Eukaryota; Metazoa; Chordata; Craniata;
(* ייביי)
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                                               Vertebrata;
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RP SEQUENCE FROM N.A.

RP SEQUENCE FROM N.A.

REDILINE-2108566; PubMed-11217851;

RX Kawai J., Shinagawa A., Shibata K., Yoshino M., Itoh M., Ishii Y.,

RA Kawai J., Shinagawa A., Shibata K., Xoshino M., Adabhi J., Fukuda S.,

RA Arakawa T., Hara A., Fukunishi Y., Konno H., Kondo S., Yamanaka I.,

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RA Aizawa K., Jasuda H.A., Ashburnar M., Batalov S., Casavant T.,

RA Kadota K., Matsuda H.A., Ashburnar M., Batalov S., Casavant T.,

RA Kuehi P., Lewis S., Matsuo Y., Nikaido I., Pesole G., Quackenbush J.,

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RA Schrimi L.M., Staubli F., Suzuki R., Tomita M., Wagner L., Washio T.,

RA Schrimi I.M., Staubli F., Suzuki R., Tomita M., Wagner L., Washio T.,

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RA Blake J., Boffelli D., Bojunga N., Carninci P., de Bonaldo M.F.,

Blake J., Boffelli D., Bojunga N., Carninci P., de Bonaldo M.F.,

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RA Gustincich S., Hill D., Hofmann M., Hume D.A., Kamiya M., Lee N.H.,

RA Gustincich S., Hill D., Hofmann M., Hume D.A., Kamiya M., Lee N.H.,

RA Gustincich S., Mill D., Washina J., Mazzarelli J., Mombaerts P.,

RA Nordone P., Ring B., Ringwald M., Rodriguez I., Sakamoto N.,

RA Sasaki H., Sato K., Schoenbach C., Seya T., Shibata Y., Storch K.-F.,

RA Wynshaw-Boris A., Yoshida K., Hasegawa Y., Kawaji H., Kohtsuki S.,

Hayashizaki Y.,

"Functional annotation of a full-length mouse cDNA collection.";

RN 121
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SEQUENCE FROM N.A.

MODI H., Sakakibara S., Imai T., Nakamura
MODI H., Takeda M., Okano H.;

"Expression of mouse igf2 mRNA-binding pr
for the developing central nervous system
J. Neurosci. Res. 0:0-0(2001).

EMBL, AR011689; BAB2779-1; -.

EMBL, AR04617; BAB19755-1; -.

EMBL, AR04617; BAB19755-1; -.

EMBL, AR04617; BAB19755-1; -.

MGD, MG:11890359; I9f2bp3.

InterPro: IFR004088; KH_type_1
InterPro: IFR004088; KH_type_1
InterPro: IFR000504; RNA_rec_mot.

pfam; PF00075; KH-dom.

InterPro: IFR000514; RNA_rec_mot.

pfam; PF00076; RRW; 2.

SMART; SM00360; RRW; 2.

PROSITE; PS50084; KH_TYPE_1; 4.

PROSITE; PS50084; KH_TYPE_1; 4.

PROSITE; PS50084; RM, TYPE_1; 4.

PROSITE; PS50084; RM, TYPE_1; 4.

PROSITE; PS50084; RM, TYPE_1; 4.
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042254 PRELIMINARY; PR
042254 PR
01-JAN-1998 (TrEMBLrel. 05, Last
01-JUN-2002 (TrEMBLrel. 21, Last
01-JUN-2002 (TrEMBLrel. 21, Last
21pcode-binding protein.
ZEP1.
Gallus gallus (Chicken).
Eukaryota; Metazoa; Chordata; Cr
Eukaryota; Metazoa; Chordata; Cr
Eukaryota; Metazoa; Chordata; Cr
                                                                                                                                                                   Gallus.
NCBI_TaxID=9031;
                                          SEQUENCE FROM N.A. MEDLINE~97220007; Pubmed~9121465
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NCBI_TaxID=10090;
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37 TGYAFVDCPDE 47
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1 Similarity 100.0%;
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ano H.;
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"Ectopic expression of a KH-domain containing protein, I homologous to both human IMP-1 and mouse CRD-BP, in ben. malignant mesenchymal tumors.";
Submitted (CCT-1999) to the EMBL/GenBank/DDBJ databases EMBL; AF198254; AF37203.1;
              088477;
                                                                                                                                                                                                                                               PROSITE;
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PROSITE; PS50102; RRM; PROSITE; PS00030; RRM, ENP_1; FALSE_NEG
SEQUENCE 576 AA; 63271 MW; 01AAF2D.
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EMBL; AF026527; AAB82295.1; -
InterPro; IPR004087; KH_dom.
                                                                                                                                                                                                                                                                        Pfam; PF00013; KH-domain; 4. Pfam; PF00076; rrm; 2. SMART; SM00322; KH; 4. SMART; SM00360; RRM; 2.
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 01-NOV-1998 (TrEMBLrel. 08,
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InterPro; IPR000504; RNA_rec_mot.
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    RA Kawai J. Shinagawa H., Kibata K., Yoshino M., Itoh M., Ishii Y.,
RA Arakawa T., Hara A., Fukunishi Y., Konno H., Adachi J., Fukuda S.,
RA Aizawa K., Izawa M., Nishi K., Kiyosawa H., Kondo S., Yamanaka I.,
RA Aizawa K., Izawa M., Nishi K., Kiyosawa H., Kondo S., Yamanaka I.,
RA Kadota K., Matsuda H.A., Gojobori T., Bono H., Kasukawa T., Saito R.,
RA Kadota K., Matsuda H.A., Ashburner M., Batalov S., Casavant T.,
RA Kuchi P., Lewis S., Matsuo Y., Nikaido I., Pesole G., Quackenbush J.,
RA Kuchi P., Lewis S., Matsuo Y., Nikaido I., Pesole G., Quackenbush J.,
RA Schriml L.M., Staubli F., Suzuki R., Tomita M., Wagner L., Washio T.,
RA Schriml K., Okido T., Furuno M., Aono H., Baldarelli R., Barsh G.,
RA Sakai K., Okido T., Furuno M., Aono H., Baldarelli R., Barsh G.,
RA Blake J., Boffelli D., Bojunga N., Carninci P., de Bonaldo M.F.,
RA Brownstein M.J., Bult C., Fletcher C., Frijita M., Gariboldi M.,
RA Brownstein M.J., Bult C., Fletcher C., Frijita M., Gariboldi M.,
RA Brownstein M.J., Hofmann M., Hume D.A., Kamiya M., Lee N.H.,
RA Gustincich S., Hill D., Hofmann M., Hume D.A., Kamiya M., Lee N.H.,
RA Mordone P., Ring B., Ringwald M., Rodriguez I., Sakamoto N.,
RA Sasaki H., Sato K., Schoenbach C., Seya T., Shibata Y., Stroch K.-F.,
RA Suzuki H., Sato K., Schoenbach C., Seya T., Shibata Y., Stroch K.-F.,
RA Mayashaw-Boris A., Yoshida K., Hasegawa Y., Kawaji H., Kohtsuki S.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Developmental regulation of CRD-BP, stabilizes c-myc mRNA in vitro."; Oncogene 14:1279-1286(1997).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota; Metazoa;
Mammalia; Eutheria;
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01-JUN-2002
                                           "Functional annotation of a full-length Nature 409:685-690(2001).
EMBL; AF061569; AAC72743.1; -.
EMBL; AX013940; BAB29071.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Prokipcak R.D., Herrick D.J., Ross J.;
"Purification and properties of a protein coding region of human c-myc mRNA.";
J. Biol. Chem. 269:9261-9269(1994).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDLINE=94158886; PubMed=8114742; Herrick D.J., Ross J.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    binding to a coding region stability determinant."; Genes Dev. 6:642-654(1992).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         binding protein). IGF2BP1 OR CRDBP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE FROM N.A.
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"Control of c-myc mRNA half-life in vitro by a
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                 HSSP; P11940; 1CV
MGD; MGI:1890357;
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1890357; Igf2bp1
IPR004087; KH_d
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SEQUENCE FROM N.A.

Zhang Q., Yaniv K., Oberman F., Wolke U., Git A., Fromer M.,

Taylor W., Meyer D., Standart N., Raz E., Yisraeli J.K.;

Yang Rap intracellular distribution and evolutionarily conserved

rexpression suggest multiple roles during development.";

Rech. Dev. 0:0-0(1999).

REHL; AFF61270; AAD45610.1; -.

REHL; AFF61270; AAD45610.1; -.

RE InterPro; IPR004088; KH_dom.

InterPro; IPR004088; KH_dom.

RINTERPRO; IPR004088; KH_dype_1.

RINTERPRO; IPR004088; KH_dype_1.

RINTERPRO; IPR004088; KH_Cype_1.

RINTERPRO; IPR004088; KH_Cype_1.

RINTERPRO; IPR004088; KH_Cype_1.

RINTERPRO; IPR004088; KH_Cype_1.

REART; SM00302; KH, TYPE_1.

REART; SM00302; RM; 2.

REART; SM00302; RM; 4.

SMART; SM00302; RM; 4.

RR PROSITE; PS50084; KH, TYPE_1; 4.

RR PROSITE; PS50084; KH, TYPE_1; 4.

RR SEQUENCE 582 AA; 63351 MW; 9DAE63200681B306 CRC64;
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InterPro; IPR00504; RNA_rec_mot.
Pfam; PF00013; KH-domain; 4.
Pfam; PF00076; rrm; 2.
SMART; SM00322; KH; 4.
SMART; SM00326; RRM; 2.
PROSITE; PS500084; KH_TYPE_1; 4.
PROSITE; PS500082; RRM; 2.
SEQUENCE 577 AA; 63450 MW; EFBE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Brachydanio rerio (Zebrafish) (Zebra danio).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Actinopterygil; Neopterygil; Teleostel; Ostariophysl; Cypriniformes;
Cyprinidae; Danio.
NCBI_TaxID=7955;
O57526 PRELIMINARY; PRT; 593 AA.
O57526; (TrembLrel 06, Created)
O1-JUN-1998 (TrembLrel 06, Last sequence update)
O1-JUN-1998 (TrembLrel 21, Last annotation update)
O1-JUN-2002 (TrembLrel 21, Last annotation update)
KH domain-containing transcription factor B3.
Kenopus laevis (African clawed frog).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ch 52.6%; So 1 Similarity 100.0%; F 10; Conservative 0;
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100.0%; Prr
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Last sequence update)
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pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 10; DB 13;
Pred. No. 0.012;
0; Mismatches 0
                Mesobatrachia; Pipoidea;
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0.012;
                Vertebrata; Euteleostomi;
ia; Pipoidea; Pipidae;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 582;
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AC 073932;
TOLAUG-1998 (TrEMBLrel. 07, Created)
TOLAUG-1998 (TrEMBLrel. 07, Last sequence update)
TOLAUG-1998 (TrEMBLrel. 21, Last annotation update)
TOL-JUN-2002 (TrEMBLrel. 21, Last annotation update)
E VOL RMA binding protein variant D.
S Xenopus laevis (African clawed frog).
S Xenopus laevis (African clawed frog).
C Enkaryota; Metazoa; Chordata; Craniata; Vertebrata; Eute Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pip
Xenopodinae; Xenopus.

( NCBI_TaxID=8355;
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HAVIN I., Git A., Elisha Z., Oberman F., Yaniv K.,
HAVIN I., Git A., Elisha Z., Oberman F., Yaniv K.,
A Pressman Schwartz S., Standart N.M., Yisraeli J.K.,
Genes Dev. 0.90(1998).

EMBL; AF04235; AAB97457 1; -
REMBL; AF064633; AAC18597.1; -
REMBL; AF064633; AAC18597.1; -
REMBL; AF064633; AAC18597.1; -
REMBL; AF064633; AAC18597.1; -
REMBL; AF06404088; KH_type_1.
RINTETPTO; IPR000504; RH, TPE_1.
REMBL; AF00013; KH-domain; 4.
Pfam; PF00013; KH-domain; 4.
REMART; SM00302; KH; 4.
REMART; SM00302; RM; 2.
REMART; SM00303; RM; 2.
REMART; SM00303; RM; 2.
REMART; SM00303; RM; 3.
REMSART; SM00303; RM; 4.
REMSART; SM00303; RM; 5.
RE
SEQUENCE FROM N.A.

SEQUENCE FROM N.A.

MEDLINE=98228351; PubMed=9560341;

MEDLINE=98228351; PubMed=9560341;

Deshler J.O., Highett M.I., Abramson T.

"A highly conserved RNA-binding proteir

localization in vertebrates.";

Curr. Biol. 8:489.496(1998).

EMBL; AF064634; AAC18598.1; -.

EMBL; AF055923; AAC41265.1; -.

EMBL; AF055923; AAC41265.1; -.

InterPro; IPR004088; KH_dom.

InterPro; IPR004088; KH_dom.

InterPro; IPR004088; KH_type_1.

InterPro; IPR004088; KH_type_1.

InterPro; IPR00013; KH-domain; 4.

Pfam; PF00013; KH-domain; 4.
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MEDLINE-92249652; PubMed-1577195;
PEAFF S.L., Taylor W.L.;
"Characterization of a Xenopus occyte
developmentally regulated cis-element
Dev. Biol. 151:306-316(1992).
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Griffin D., Taylor W
Submitted (JAN-1998)
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NCBI_TaxID=8355;
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Pred. No. 0.0
0; Mismatches
                                                                                                                                                                                                                                                                                                                                      amson T., Schnapp B.J.;
protein for cytoplasmic
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Yisraeli J.K.;
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Yisraeli
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SMART;
SEQUENCE FROM N.A.
SEQUENCE FROM N.A., Kirkpatrick P., William van Wageningen A., Kirkpatrick P., William Lennard N., Jones M., Jones S., Solenberg Lennard n., Jones M., Jones S., Solenberg and analysis of genes involved
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        01-MAY 1997 (TrEMBLrel. 03, Created)
01-MAY-1997 (TrEMBLrel. 03, Last sequence update)
01-MAR-2002 (TrEMBLrel. 20, Last annotation update)
Putative cytochrome P450 165C2 (Hypothetical hydroxylase
                                                                                                01-JUN-1998 (TrEMBLrel.
01-MAR-2002 (TrEMBLrel.
PCZA361.27 (Fragment).
                                                                                                                             052816 PRELIMINARY
052816;
01-JUN-1998 (TremBLrel.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Amycolatopsis orientalis.

Bacteria; Firmicutes; Actinobacteria; Actinobacteridae; Actinomycetales; Pseudonocardineae; Pseudonocardiaceae;
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01-MAY-1997 (TrEMBLrel.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE
                                                                                                                                                                                                                                                                                                        Electron transport; Heme; Hypothetical Monooxygenase; Oxidoreductase.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CYP165C2.
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                                                         Actinomycetales;
NCBI_TaxID=31958;
                                                                            Bacteria; Firmicutes;
                                                                                                                                                                                                                                                                                    SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                      EMBL; U84350; AAB49296.1; HSSP; Q00441; 10XA:
                                                                                                                                                                                                                                                                                                                                                                                        Submitted (MAR-1997) to the EMI
                                                                                                                                                                                                                                                                                                                                                                                                             Solenberg P.J., Matsushima Baltz R.H.;
                                                                                      Amycolatopsis orientalis.
                                                                                                                                                                                                                                                                                                BINDING
                                                                                                                                                                                                                                                                                                                                                     InterPro; IPR001128; Cytochrome_P450
pfam: pr00067: p450: 1.
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SM00360; RRM;
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PS00086; CYTOCHROME_P450; UNKNOWN_1.
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                                                                                                                                                                                                                                                                                     310 AA;
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Conservative 0;
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                                                                    Pseudonocardineae;
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                             Harris B.,
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01-NOV-1999
01-NOV-1999
01-DEC-2001
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SEQUENCE
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Pfam; PF00067; p450; 1.
PROSITE; PS00086; CYTOCHROME_P450; UNKNOWN_1
                                                                                               01-NOV-1998 (TrEMBLYEL 08, Created)
01-NOV-1998 (TrEMBLYEL 08, Last sequence update)
01-NAR-2002 (TrEMBLYEL 20, Last annotation updat
Cytochrome P450 165C1 (Oxygenase C).
                                                                                                                                                                                087675
087675;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDLINE=99445483; PubMed=10515943; Okinaka R.T., Cloud K., Hampton O., Hoffmaster A.R., Keim P., Koehler T.M., Lamke G., Kumano S., Mahillon Martinez Y., Ricke D., Svensson R., Jackson P.J.; "Sequence and organization of px01, the large Bacillu plasmid harboring the anthrax toxin genes."; J. Bacteriol 181:6509-6515(1999).
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                                      CYP165C1 OR OXYC.
Amycolatopsis mediterranei (Nocardia mediterranei).
Bacteria; Firmicutes; Actinobacteria; Actinobacteridae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Bacteria; Firmicutes;
Bacillaceae; Bacillus
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Plasmid virulence plasmid
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Actinomycetales;
NCBI_TaxID=33910
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                   Pseudonocardineae;
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RESULT 15
Q9VX29
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RP SUDURNCE FROM N.A.

RE STRAIN-DSM 5998;

RA Pelzer S., Suessmuth R., Heckmann D., Recktenwald J., Huber P.,

RA Jung G., Wohlleben W.;

rIdentification and analysis of a glycopeptide biosynthetic gene

RT cluster and its use for manipulating balhimycin biosynthesis in the

RT producing organism Amycolatopsis mediterranei DSM5908.";

Submitted (MAR-1998) to the EMBL/GenBank/DDBJ databases.

CC -1- SIMILARITY: BELONGS TO THE CYTOCHROME P450 FAMILY.

DR HSSP; Q00441; 10XA.

This Product To The Cytochrome_P450.
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            Drosophila melanogaster (Fruit fly).

Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;
Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
Ephydroidea; Drosophilidae; Drosophila.

NCBI_TaxID=7227;
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01-JUN-2002
01-JUN-2002
                                                                                                            01-MAY-2000 (TrEMBLrel.
01-MAY-2000 (TrEMBLrel.
01-JUN-2002 (TrEMBLrel.
                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A.

Shang W., Zerbe K., Vrijbloed J.W., Robinson J.A.;

Than Sequence coding for P450 monooxygenases of vancomycin Amycolatopsis orientalis.";

Submitted (FEB-2002) to the EMBL/GenBank/DDBJ databases.

EMBL; AF486630; AAL90879.1;

EMBL; AF486630; AAL90879.1;

SEQUENCE 406 AA; 45187 MW; 6C0E2EFA167A747A CRC64;
                                                                                  CG12990 protein.
CG12990.
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Bacteria; Firmicutes; Actinobacteria; Actinobacteridae;
Actinomycetales; Pseudonocardineae; Pseudonocardiaceae;
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SEQUENCE 406 AA; 44795 MW; 203C2AC5293A0F13 CRC64;
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Pfam; PF00067; p450; 1.
PROSITE; PS00086; CYTOCHROME_P450; UNKNOWN_1.
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    2003, 16:18:40 ; Search time 1.06076 Seconds (without alignments). 527.016 Million cell updates/sec
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US-09-643-597-176
US-09-643-597-348
US-09-261-855-2
US-09-109-205-1
US-07-667-276A-6
US-09-680-726A-6
US-09-342-648-9
US-09-342-648-9
US-09-342-68-9
US-09-342-68-9
US-09-676-967-1
US-09-676-974-1
US-09-564-805-224
US-09-564-805-224
US-09-564-805-226
US-09-513-744-80
US-09-564-805-226
US-09-513-744-80
US-09-564-805-226
US-09-564-805-226
US-09-513-73-27
US-09-564-805-226
US-09-312-744-80
US-09-748-75-10
US-08-120-827-10
US-08-120-827-10
US-08-261-822A-16
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3 24, Appli
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APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Henderson, Robert A.
APPLICANT: McNeill, Patricia D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C11
CURRENT APPLICATION NUMBER: US/09/643,597
CURRENT FILING DATE: 2000-08-21
NUMBER OF SEQ ID NOS: 369
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 176
SEQ ID NO 176
LENGTH: 579
TYPE: PRT
ORGANISM: Homo sapiens
US-09-643-597-176
          Sequence 348, Application US/09643597
Patent No. 6426072
GENERAL INFORMATION:
APPLICANT: Wang, Tongtong
APPLICANT: Fan, Liqun
APPLICANT: Kalos, Michael D.
APPLICANT: Kalos, Michael D.
APPLICANT: Hosken, Mancy
APPLICANT: Hosken, Nancy
APPLICANT: Fanger, Gary R.
APPLICANT: Fanger, Gary R.
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US-09-643-597-348
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US-09-643-597-176
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Patent No.
GENERAL IN
                                                                                                                                                                                                                         Query Match 100.0%;
Best Local Similarity 100.0%;
Matches 19; Conservative (
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Fan, Liqun
Kalos, Michael D.
Bangur, Chaitanya :
Hosken, Nancy
Fanger, Gary R.
Li, Samuel X.
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Hosken, Nancy
Fanger, Gary R.
Li, Samuel X.
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Fan, Liqun
Kalos, Michael
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US-09-312-183A-3
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US-09-312-183A-3
US-09-312-183A-3
US-09-564-805-222
US-08-818-111-71
US-08-818-111-71
US-09-056-556-71
US-09-058-556-72
US-09-058-052-3
US-08-035-865J-9
US-08-335-865J-9
US-08-335-865J-91
US-08-335-865J-93
US-08-335-865J-33
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Pred. No. 1.4e-08;
0; Mismatches 0;
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APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Henderson, Robert A.
APPLICANT: Henderson, Robert A.
APPLICANT: Henderson, Robert A.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C11
CURRENT APPLICATION NUMBER: US/09/643,597
CURRENT FILING DATE: 2000-08-21
NUMBER OF SEQ ID NOS: 369
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 348
SEQ ID NO 348
LENGTH: 579
TYDE: DET
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US-09-109-205-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: PRT; ORGANISM: Homo sapiens US-09-643-597-348
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GENERAL INFORMATION:

APPLICANT: ROSS, Jeffrey -MYC CODING REGION DETERMINANT-BINDING PROTEIN

TITLE OF INVENTION: (PRD-BP) AND ITS NUCLEIC ACID SEQUENCE

FILE REFERENCE: 960296 95131

CURRENT APPLICATION NUMBER: US/09/261,855A

CURRENT APPLICATION NUMBER: 1999-03-03

NUMBER OF SEQ ID NOS: 46

SOFTWARE: PATENTIA VET. 2.0

SEQ ID NO 2

LENGTH: 577
                                                                                                                                                                                                                                                        Sequence 1, Application Patent No. 6057140 GENERAL INFORMATION:
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Patent No. 6255055
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Best Local Similarity
Matches 16; Conserv
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Best Local Similarity 100.0%;
Matches 19; Conservative (
                                                                                                                                            APPLICANT: Lal, Preet.
APPLICANT: Guegler, Karl J.
APPLICANT: Gurgone, Gina
APPLICANT: Corley, Neil C.
APPLICANT: Baughn, Mariah R.

VNA: Henry
                                                                               APPLICANT: Yue, Henry
TITLE OF INVENTION: HU
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
               ADDRESSEE: Incyt
STREET: 3174 Por
CITY: Palo Alto
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                            37 TGYAFVDCPDESWALKAIE 55
COUNTRY:
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                                                                                                                                                                                                                                                                               6057140 us/09109205
USA
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                                                    Incyte Pharmaceuticals, 74 Porter Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    89.6%;
                                                                                                                            HUMAN SCAD FAMILY MOLECULES
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Pred. No. 6.8e-07;
2; Mismatches 1;
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Pred. No. 1.4e-08;
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RESULT 5
US-07-667-276A-4
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Patent No. 5470971

GENERAL INFORMATION:
APPLICANT: Kondo, Keiji
APPLICANT: Inouye, Masayori
APPLICANT: Inouye, Masayori
TITLE OF INVENTION: STRESS-INDUCED PROTEINS, GENES CODING
TITLE OF INVENTION: THEREFOR, TRANSFORMED CELLS OF ORGANISMS, METHODS AND
TITLE OF INVENTION: APPLICATIONS
COUNTY: USA
ZIP: 19102
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: 1BM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOTTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION UNMER: US/07/667,276A
FILING DATE: 1-MAR-1991
CLASSIETCATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Welser, Gerard J.
REGISTRATION UNMBER: 19,763
REGISTRATION UNMBER: 377.5351P
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Best Local Similarity 36.7
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SEQUENCE CHARACTERISTICS:
LENGTH: 309 amino acid
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linea:
IMMEDIATE SOURCE:
LIBRARY: LUNGNO-
CLONE: 1511003
                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
ADDRESSEE: Weiser & Associates
STREET; 230 S. Fifteenth Street, Suite 500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Cerrone, Michael C
REGISTRATION NUMBER: 39,132
REFERENCE/DOCKET NUMBER: PF:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: Herewit CLASSIFICATION: PRIOR APPLICATION DATA: APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           130 TGKKFLDCPDELMEKSFDVNFKAHLWTYKA 159
                                                                                                                                                                                                                                                                                         STREET: 230 S. Fif
CITY: Philadelphia
STATE: PA
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Pred. No. 5.2;
1; Mismatches
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DB 3;
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                                                                      RESULT 7
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Best Local Similarity 50...
Conservative
Sequence 6, Application US/08680726A Patent No. 5804197 GENERAL INFORMATION:
                                                                                                                                                                                                                      Query Match
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                                                                                                                                                                                     Best Local Similarity
Matches 8; Conserv
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APPLICANT: Haanes,
APPLICANT: Frank,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: 215-875-8394 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                      TELEFAX: 303/863-0223
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
COMPUTER: Floppy disk
COMPUTER: FORM PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                       TOPOLOGY: 11
MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                             TELECOMMUNICATION INFORMATION: TELEPHONE: 303/863-9700
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Frank, Rexann
TITLE OF INVENTION: RECOM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          210 GYGYVDFENKSYAEKAIQ 227
                                                                                                                     153 YAYVSCEWPEPSWKPECLE 171
                                                                                                                                                                                                                                                                                                                        LENGTH: 391 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/08/602,010A FILING DATE: February 15, 1996 CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                               REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Connell, Gary J. REGISTRATION NUMBER: 32,020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: U
ZIP: 80203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: Denver
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                                                                                                                                                    3 YAFVDC--PDESWALKAIE 19
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                                                                                                                                                                                                                                                                                           linear
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Pred. No.
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Pred. No. 47;
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                                                                                                                                                                                                                       Length 391;
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                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 6,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: (303) 863-02
TELEPAX: (303) 863-022
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 391 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                            09-092-409-6
                                                                                                                                 ZIP: 802U3
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS: Sheridan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
NAME: Connell, Gary J.
REGISTRATION NUMBER: 32,020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Haanes, Elizabeth J.
APPLICANT: Frank, Rexann S.
TITLE OF INVENTION: RECOMBINANT
                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/680,726
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: 1:
MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: PatentIn Rel
CURRENT APPLICATION DATA:
                                                                                                                   CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                     APPLICANT: Haanes, Elizabet
APPLICANT: Frank, Rexann S.
TITLE OF INVENTION: RECOMBI
NUMBER OF SEQUENCES: 92
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
ATTORNEY/AGENT INFORMATION
                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           153 YAYVSCEWPEPSWKPECLE 171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                    STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
nes 8; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/0 FILING DATE: 12-JUL-1996 CLASSIFICATION: 424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: Denver
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET:
                                                                CLASSIFICATION:
                                                                                FILING DATE:
                                                                                               APPLICATION NUMBER:
                                                                                                                                                                                                                                    COUNTRY:
                                                                                                                                                                                                                                                                    CITY: Denver
                                                                                                                                                                                                                                                                                   STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY:
                                                                                                                                                                                                                                                                                                      ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                                                                                                                      , Application US/09092409 6159478
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                                                                                                                                                                                                                              Colorado
Y: U.S.A.
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                                                                                                                                                                                                                                                                                   E: Sheridan Ross & McIntosh
1700 Lincoln Street, Suite
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1700 Lincoln Street, Suite 3500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                      Haanes, Elizabeth J.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
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1 863-0223

1 NO: 6:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             863-9700
                                                                                                                                                                                                                                                                                                                                       RECOMBINANT CANINE HERPESVIRUSES 92
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        40.6%;
42.1%;
                                                                                                 US/09/092,409
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2618-46-C1
                                                                                                                                                                                                                                                                                      Suite 3500
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                                                                                                                                 Version #1.30
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REFERENCE/DOCKET NUMBER: 26
TELECOMMUNICATION INFORMATION:
TELEPHONE: (303) 863-9700

STRATION NUMBER:

32,020

2618-46-C1

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TYPE: amino acids
TYPE: amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-092-409-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 9, Application US/09342648
Patent NO. 6248584
GENERAL INFORMATION:
APPLICANT: Cahoon, Rebecca E.
APPLICANT: Cahoon, Rebecca E.
APPLICANT: Refalski, Antoni
TITLE OF INVENTION: Transcription Coactivators
FILLE REFERENCE: BB-1169-B
CURRENT APPLICATION NUMBER: US/09/342,648
CURRENT FILING DATE: 1999-06-29
EARLIER APPLICATION UMBER: 0S/092,659
EARLIER APPLICATION UMBER: 0S/092,659
EARLIER APPLICATION UMBER: 0S/092,659
SENGIER APPLICATION UMBER: 0S/092,659
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; LENGTH: 885
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-342-648-9
                                                                                                                                                                                                                                                                                                                                                                                          RESULT 10
US-08-887-534A-45
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Best Local Similarity
""+ hes 8; Conserva
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Best Local Similarity ba...
Best Conservative
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INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                 APPLICANT: Holden, David W.

TITLE OF INVENTION: ANTI-BACTERIAL METHODS AND MATERIALS NUMBER OF SEQUENCES: 106

CORRESPONDENCE ADDRESS:

ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun STREET: 233 South Wacker Drive/6300 Sears Tower
OMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ||| || | | | | 47 DTPDEPWAFPARE 59
                                                                                                                      COUNTRY:
                                                                                                                                                STREET: 233 SOCITY: Chicago
STATE: Illino:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           7 DCPDESWALKAIE 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3 YAFVDC--PDESWALKAIE 19
                                                                                                                                                                                                                                                                                                                                            45, Application US/08887534A
o. 6455323
                                                                                                   60606
                                                                                                                                           Illinois
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                                                                                                                United States of America
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           39.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 42; DB 4; Le
Pred. No. 1.6e+02;
0; Mismatches 5;
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47;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 885;
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APPLICANT: POLONSKY, KENNETH S.

APPLICANT: HORLKAWA, YUKIO
APPLICANT: GOX, NANCY J.

APPLICANT: STEEMAN, SEAMMS
APPLICANT: STEEMAN, SEAMMS
APPLICANT: STEEMAN, SEAMMS
APPLICANT: HOU, YUN-PING
APPLICANT: HANIS, CRAIG L.

APPLICANT: HANIS, CRAIG L.

APPLICANT: HANIS, CRAIG L.

FILE REFERENCE: ARCOLS OF TREATMENT OF TYPE 2 DIABETES
FILE REFERENCE: ARCOLS OF
CURRENT APPLICATION NUMBER: US/09/422,869
CURRENT APPLICATION NUMBER: 60/134,175
EARLIER APPLICATION NUMBER: 60/134,175
EARLIER APPLICATION NUMBER: 50/134,175
EARLIER APPLICATION NUMBER: 50/134,175
EARLIER APPLICATION NUMBER: 50/134,175
EARLIER APPLICATION STEEL STEE
                                                                                                                                   RESULT 12
US-08-676-967-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; ORGANISM: Human
US-09-422-869-28
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Sequence 1, Application US/08676967
Patent No. 5747317
GENERAL INFORMATION:
APPLICANT: COLLINS, KATHLEEN
                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 60. Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local 9
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Best Local Similarity
Matches 12; Conserv
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SEQUENCE CHARACTERISTICS:
LENGTH: 932 amino - ---
Types-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/887,534A FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: amino acids
TYPE: amino acid
TOPOLOGY: Jima
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TELECOMMUNICATION INFORMATION:
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NAME: Rin-Laures, Li-Hsien
REGISTRATION NUMBER: 33,54
                                                                                                                                                                                                                                                                   419 GYAIYECPDK 428
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                820 TGKMFIDLKEALAKNPDESVLLVAIE 845
                                                                                                                                                                                                                                                                                                         2 GYAFVDCPDE 11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ELEPHONE:
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(312) 474-04-7
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                                                                                                                                                                                                                                                                                                                                                                                                                          38.7%;
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                                                                                                                                                                                                                                                                                                                                                                                               Score 41; DB 4;
Pred. No. 1.7e+02;
2; Mismatches 2
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Pred. No. 2e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                  0,
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TITLE OF INVENTION:

Human Telomerase

NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS

STREET:

ADDRESSEE:

E: Science & Technology Law Group 268 Bush Street, Suite 3200

CITY: San Francisco

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                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 1, Application US/08676974 Patent No. 5770422
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                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: (415)343-4342
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: not relevant MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: UCI
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
NAME: Osman Ph.D., Richard A
                                                                                                                                                       MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION DATA:
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CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: OGMAN Ph.D., Richard A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: UCB96-055
TELECOMMUNICATION INFORMATION:
TELLEPHONE: (415)343-4341
                                                                                                                                                                                                                             COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: COLLINS, TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    541 GYAFAEFQEHEHALKAL 557
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    / Match 38.7%;
Local Similarity 47.1%;
nes 8; Conservative
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TOPOLOGY: no
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                                                                                                                        FILING DATE:
                                                                                                                                                                                                                                                                 COUNTRY: U
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                                                                                                                                         APPLICATION NUMBER:
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(415)343-4342
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Pred. No.
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RESULT 15 US-09-564-805-2

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GENERAL INFORMATION:

Sequence 2, Application US/09564805 Patent No. 6333403

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                                                       Matches
                                                                                   Query Match
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
                                                                                                                                                                                                                TELEFAX: (415)343-434;
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: Science & Technology Law Group STREET: 268 Bush Street, Suite 3200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                            TELECOMMUNICATION INFORMATION: TELEPHONE: (415)343-4341
                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
NAME: Osman Ph.D., Richard A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION:
                                                                                                                               MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          541 GYAFAEFQEHEHALKAL 557
541
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                                                     Local Similarity
nes 8; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
                                                                                                                                            TOPOLOGY: not relevant
                                                                                                                                                       STRANDEDNESS:
                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                        REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                               FILING DATE:
                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US/09/098,487
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GYAFAEFQEHEHALKAL 557
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Pred. No. 1.9e+02;
""amatches 6;
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APPLICANT: Tavtigian, Sean v.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
ITILE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
ITITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
CURRENT APPLICATION NUMBER: US/09/564,805
PRIOR APPLICATION NUMBER: US/09/564,805
PRIOR FILING DATE: 1999-11-06
PRIOR FILING DATE: 1999-11-06
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SEQ ID NO 2
LENGTH: 826
TYPE: PRI
CORGANISM: Homo sapiens
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Search completed: April 16, 2003, 16:22:58 Job time: 3.06076 secs
                                                                                                                Дb
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303 GAAFVVVECPDESF 316
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Title:
Perfect score:
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB seq length: 2000000000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Run on:
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       protein search, using sw model
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Query
Match Length
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1 TGYAFYDCPDESWALKAIE 19
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Gapop 10.0 , Gapext 0.5
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1: /cgn2_6/ptodata/1/pubpaa,
2: /cgn2_6/ptodata/1/pubpaa,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
/cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
/cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep:*
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/cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
/cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
/cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*
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   US-09-735-705-176
US-09-735-705-348
US-09-850-716A-348
US-09-897-778-176
US-09-897-778-446
US-09-897-778-446
US-09-897-778-447
US-09-897-778-427
US-09-897-778-427
US-09-897-778-427
US-09-897-778-455
US-09-897-778-400
US-09-897-778-490
US-09-897-778-399
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Sequence 176, App Sequence 348, App Sequence 176, App Sequence 176, App Sequence 146, App Sequence 447, App Sequence 427, App Sequence 427, App Sequence 45, App Sequence 465, App Sequence 400, App Sequence 497, App Sequence 497, App Sequence 399, App Sequence 399, App Sequence 399, App Sequence 399, App
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US-09-735-705-176
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Best Local S
Matches 19
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Patent No. US20020052329A1
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APPLICANT:
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-09-98	US-09-988-687-224	US-09-988-687-2	US-09-988-626-226	US-09-988-626-224	US-09-988-626-2	US-09-768-877-28	US-09-815-242-10864	us-09-925-300-1667	us-09-925-302-786	US-09-796-692-1641	US-09-796-692-1076	96	US-09-796-692-878	US-09-796-692-1561	US-09-796-692-1087	US-09-815-242-12615	US-09-815-242-5356	US-09-821-883-29	us-09-925-300-1496	US-10-156-275-6	US-10-025-367-25	US-09-925-299-851	US-09-925-299-851	us-09-897-778-466	US-09-764-864-1116
Sequence 226, App	24	Sequence 2, Appli	Sequence 226, App	`	Sequence 2, Appli	28	864	1667,	`~	Sequence 1641, Ap	1076,	•	`~	-	Sequence 1087, Ap	Sequence 12615, A	Sequence 5356, Ap	Sequence 29, Appl	Sequence 1496, Ap	Sequence 6, Appli	Α	۳	Sequence 851, App	Sequence 466, App	Sequence 1116, Ap

ALIGNMENTS

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RESULT 2
US-09-735-705-348
; Sequence 348, Application US/09735705
                                                                                                                                                                                                                                                                 ; LENGTH: 579
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-735-705-176
                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/09/735/705
CURRENT FILING DATE: 2000-12-12
NUMBER OF SEQ ID NOS: 419
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 176
                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Henderson, Robert A.
APPLICANT: McNeill, Patricia D.
APPLICANT: Fanger, Neil
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C14
                                                                                                                             1 TGYAFVDCPDESWALKAIE 19
                                                                                                                                                                                y Match 100.0%; Score 106; DB 1 Local Similarity 100.0%; Pred. No. 2e-08; Pres. 19; Conservative 0; Mismatches
                                                                                                       37 TGYAFVDCPDESWALKAIE 55
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Fan, Ligun
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Fanger, Gary R.
Li, Samuel X.
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Skeiky, Yasir A.W.
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INFORMATION:

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US-09-850-716A-176

Sequence 176, Application US/09850716A

Patent No. US20020153139A1

GEMERAL INFORMATION:

APPLICANT: Kalos, Michael D.

APPLICANT: MCNeill, Patricia D.

APPLICANT: Retter, MATC W.

TITLE OF INVENITION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENITION: AND DIAGNOSIS OF LUNG CANCER

FILE REFERENCE: 210121.455C15

CURRENT APPLICATION NUMBER: US/09/850,716A

CURRENT FILING DATE: 2001-05-07

NUMBER OF SEQ ID NOS: 440

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 176

LENGTH: 579

TYPE: PRT
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US-09-850-716A-348
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APPLICANT: McNeill, Patricia D.
APPLICANT: MCNeill, Patricia D.
APPLICANT: Fanger, Neil
APPLICANT: FANGER, PATRICIA D.
APPLICANT: FANGER, PATRICIANS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE REPERENCE: 210121.455C14
CURRENT FILLING DATE: 2000-12-12
CURRENT FILLING DATE: 2000-12-12
SUDTHARB: FASTSEQ for Windows Version 3.0
SEQ ID NO 348
LENGTH: 579
GENERAL INFORMATION:
APPLICANT: Kalos, Michael D.
APPLICANT: McNeill, Patricia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 100.
Matches 19; Conservative
                                                                                                                  Sequence 348, Application US/09850716A Patent No. US20020115139A1
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)9-850-716A-176
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Hosken, Nancy
Fanger, Gary R.
Li, Samuel X.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Aijun
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Pred. No. 2e-08;
Mismatches
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Matches 19
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Best Local
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Watanabe, Yoshihiro Henderson, Robert A. Peckham, David W. Fanger, Gary R. Vedvick, Thomas S. Carter, Darrick

Marnerakis,

Margarita

Application US/09897778

20147143A1 Tongtong

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APPLICANT: Carter, Darrick
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Henderson, Robert A.
APPLICANT: Peckham, David W.
APPLICANT: Peckham, David W.
APPLICANT: Fanger, Neil
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C16
CURRENT APPLICATION NUMBER: US/09/897,778
CURRENT APPLICATION NUMBER: US/09/897,778
CURRENT APPLICATION NUMBER: US/09/897,778
SOFTMARE: FILING DATE: 2001-06-28
NUMBER OF SEQ ID NOS: 467
SOFTMARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 176
LENGTH: 579
TYPE: PRT
                                                                                                                                                                   ; ORGANISM: Homo sapiens
US-09-897-778-176
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TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C15
CURRENT APPLICATION NUMBER: US/09/850,716A
CURRENT FILING DATE: 2001-05-07
NUMBER OF SEQ ID NOS: 440
SOFTMARE: FastSEQ for Windows Version 3.0
SEQ ID NO 348
LENGTH: 579
TYPE: PRT
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APPLICANT: Marne
APPLICANT: Fange
APPLICANT: Vedvi
37 TGYAFVDCPDESWALKAIE 55
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                                                                                    l Similarity
19; Conserv
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Similarity 100.0%;
19; Conservative 0
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Vedvick, Thomas S.
Carter, Darrick
Watanabe, Yoshihiro
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                                                                                    100.0%; Score 106; DB 10; ilarity 100.0%; Pred. No. 2e-08; Conservative 0; Mismatches 0;
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Pred. No. 2e-08;
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US-09-897-778-348
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TYPE: PRT
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CURRENT FILING DATE: 2001-06-28
NUMBER OF SEQ ID NOS: 467
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 348
LENGTH: 579
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Matches 19; Conserv
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                                                                                                                                                                                                         APPLICANT: Wang, Tongtong APPLICANT: Marnerakis, M
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SOFTWARE: FastSEQ for Windows Version 4.0
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TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C16
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        TITLE OF
                                                                                                             APPLICANT:
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        T: Fanger, Neil INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
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US20020147143A1
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Vedvick, Thomas S.
                                                   Watanabe, Yoshihiro
Henderson, Robert A.
Peckham, David W.
                                                                                                                                 Fanger, Gary R.
Vedvick, Thomas S.
Carter, Darrick
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                                                                                                                                                                                                            Marnerakis, Margarita
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ilarity 100.0%;
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Pred. No. 2e-08;
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TYPE: PRT;
ORGANISM: Homo sapiens
US-09-850-716A-427
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APPLICANT: MCNEILI, PATRITIA D.
APPLICANT: MCNEILI, PATRITIA D.
APPLICANT: RETER, MICHAELIA, PATRITIA D.
APPLICANT: ROTER, MICHAELIA, AND DIGNOSIS OF LING CANCER
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIGNOSIS OF LING CANCER
FILE REPERENCE: 210121.455CL5
FILE R
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Best Local Similarity 100.
Matches 19; Conservative
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SEQ ID 00 449
LENCTH: 579
TYPE: PRT
APPLICANT: Watenabe, Yoshihiro
APPLICANT: Henderson, Robert A.
APPLICANT: Peckham, David W.
APPLICANT: Peckham, David W.
APPLICANT: Penger, Neil
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121. 455016
CURRENT APPLICATION NUMBER: US/09/897,778
CURRENT FILING DATE: 2001-06-28
NUMBER OF SEQ ID NOS: 467
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 427
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APPLICANT: Wang, To
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 427, Application US/09897778
Patent No. US20020147143A1
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CURRENT FILING DATE: 2001-06-28
NUMBER OF SEQ ID NOS: 467
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                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    37 TGYAFVDCPDESWALKAIE 55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local
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                                                                                                                                                                                                                                                                                                      Fanger, Gary R.
Vedvick, Thomas S.
Carter, Darrick
                                                                                                                                                                                                                                                                                                                                                                                         Marnerakis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Application US/09850716A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 106; DB 1 ilarity 100.0%; Pred. No. 2e-08; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                             Tongtong
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 106; DB 1 100.0%; Pred. No. 2e-08;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0;
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RESULT 11

US-09-873-637-2
US-09-873-637-2
Sequence 2, Application US/09873637
Patent No. US20020061543A1
GENERAL INFORMATION:
APPLICANT: ROSS, Jeffrey
TITLE OF INVENTION: THE C-MYC CODING REGION DETERMINANT-BINDING PROTEIN
TITLE OF INVENTION: (CRD-BP) AND ITS NUCLEIC ACID SEQUENCE
FILE REFERENCE: 950296.95131
CURRENT PPLICATION NUMBER: US/09/873.637
CURRENT PFLING DATE: 2001-06-04
NUMBER OF SEQ ID NOS: 46
SOFTWARE: PATENTION OF SEQ ID NOS: 46
SOFTWARE: PATENTION OF SEQ ID NOS: 47
TYPE: PRT
TYPE: PRT
TYPE: PRT
TYPE: PRT
US-09-873-637-2
                                                                                                                                                                                       APPLICANT: Warnerakis, Margarita
APPLICANY: Warnerakis, Margarita
APPLICANY: Hanger Gary R.
APPLICANY: Vedvick, Thomas S.
APPLICANY: Vedvick, Thomas S.
APPLICANY: Watanaba, Yoshihiro
APPLICANY: Watanaba, Yoshihiro
APPLICANY: Henderson, Robert A.
APPLICANY: Henderson, Robert A.
APPLICANY: Henderson, Robert A.
APPLICANY: Peckham, David W.
APPLICANY: Henderson, Robert A.
APPLICANY: 
                                                                                                                            ; ORGANISM: Homo sapiens US-09-897-778-465
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 12
US-09-897-778-465
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US-09-897-778-427
Ouery Match 87.7%; Score 93; DB-018; Best Local Similarity 100.0%; Pred. No. 6e-08; Matches 16; Conservative 0; Mismatches (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 465, Application US/09897778 Patent No. US20020147143A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 89.6%;
Best Local Similarity 84.2%;
Matches 16; Conservative
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Best Local Similarity 100.0%; Pred. No. 2e-08;
Matches 19; Conservative 0; Mismatches
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Pred. No. 9.4e
2; Mismatches
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9.4e-07;
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   0;
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                                                          Length 18;
Indels
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                                                                                                                                                                                                                     Sequence 400, Application US/09850716A

Patent No. US20020115139A1

GENERAL INFORMATION:
APPLICANT: KALOS, Michael D.
APPLICANT: MCNeill Patricia D.
APPLICANT: MCNeill Patricia D.
APPLICANT: MCNeill Patricia D.
APPLICANT: MCNeill PATRICNS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TILLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C15
CUBRENT APPLICATION NUMBER: US/09/850,716A
CUBRENT FILING DATE: 2001-05-07
NUMBER OF SEQ ID NOS: 440
SEQ ID NO 400
SEQ ID NO 400
LENGTH: 20
TYPE: PRT
ORGANISM: Homo sapiens
US-09-850-716A-400
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US-09-735-705-400
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                                                                                                                         Matches
                                                                                                                                                  Query Match
Best Local :
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Best Local Similarity 100.0%; Matches 16; Conservative 0;
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AFVDCPDESWALKAIE 16
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                                                                                                                                                  Similarity
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Fan, Liqun
Kalos, Michael D.
Bangur, Chaitanya S.
Hosken, Nancy
Fanger, Gary R.
Li, Samuel X.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Application US/09735705
20020052329A1
                                                                                                                     83.0%;
ilarity 100.0%;
Conservative
                                                                                                                     Score 88; DB 10;
Pred. No. 3.9e-07
0; Mismatches 0
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Length 20;

Indels

0; Gaps

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APPLICANT: Li, Samuel X.

APPLICANT: Wandy, Aijun A.

APPLICANT: Skelky, Yasir A.W.

APPLICANT: Henderson, Robert A.

APPLICANT: Fanger, Neil

APPLICANT: Fanger, Neil

TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

FILE REFERENCE: 2210121.455C14

CURRENT APPLICATION NUMBER: US/09/735,705

CURRENT FILING DATE: 2000-12-12

NUMBER OF SEQ ID NOS: 419

SOFTWARE: FASE TO NOS: 419

SOFTWARE: FASE FOR Windows Version 3.0

SEQ ID NO 400

LENGTH: 20

TYPE: PAT

ORGANISM: Homo Sapiens
Score 88; DB 10;
pred. No. 3.9e-07;
0; Mismatches 0;
                                    Length 20;
Indels
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0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
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Maximum DB
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Perfect score:
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                                          score greater than or equal to the score of the and is derived by analysis of the total score
                                                             Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          seq length: 0 seq length: 2000000000
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Gapop 10.0 , Gapext 0.5
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1 TGYAFVDCPDESWALKAIE 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GenCore version 5.1.4_p5_4578 Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /cgn2_6/ptodata/1/paa/US083_COMB.pep:*
/cgn2_6/ptodata/1/paa/US084_COMB.pep:*
/cgn2_6/ptodata/1/paa/US085_COMB.pep:*
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/cgn2_6/ptodata/1/paa/US06_COMB.pep:*
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cgn2_6/ptodata/1/paa/US081_COMB.pep:*
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                                                                                                                                                                   /cgn2_6/ptodata/1/paa/US100_COMB.pep:*
/cgn2_6/ptodata/1/paa/US101_COMB.pep:*
/cgn2_6/ptodata/1/paa/US102_COMB.pep:*
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/cgn2_6/ptodata/1/paa/US094
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /cgn2_6/ptodata/1/paa/US088_COMB.pep:*
/cgn2_6/ptodata/1/paa/US089_COMB.pep:*
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/cgn2_6/ptodata/1/paa/US087_COMB.pep:*
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ptodata/1/paa/US099_COMB.pep:*
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SUMMARIES
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Result		Query				
No.			ength I	Ħ	ID	Description
_	106	100.0		25	US-10-117-982-482	Sequence 482, App
N	106	100.0	579	ш	PCT-US01-47576-176	Sequence 176, App
ω	106	100.0	579	٢	PCT-US01-47576-348	Sequence 348, App
4	106	100.0	579		PCT-US01-47576-446	Sequence 446, App
₅	106	100.0	579	1	PCT-US01-47576-449	Sequence 449, App
	106	100.0	579	18	US-09-466-396A-176	Sequence 176, App

Query Match

100.0%;

Score 106;

DB 25;

Length 43;

442 443 444 45	20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	330 330 340 340 340 340 340 340 340 340	16 17 18 19 19 20 20 21 22 22 23	7 8 8 9 10 11 11 11 11 11 11 11 11 11 11 11 11
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444 444 48		3131843	Sequence 179 Sequence 348 Sequence 348 Sequence 348 Sequence 349 Sequence 179 Sequence 349 Sequence 179 Sequence 179	Sequence 176 Sequence 176 Sequence 176 Sequence 176 Sequence 348 Sequence 348 Sequence 176 Sequence 348 Sequence 348 Sequence 348
	6, App 6, App 6, App 6, App 6, App 6, App 7, App 7, App	30		

ALIGNMENTS

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; TYPE: PRT; ORGANISM: Homo sapiens US-10-117-982-482
                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-117-982-482
                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 1
                                                                 NUMBER OF SEQ ID NOS: 484
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 482
                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                        APPLICANT: APPLICANT:
                                                                                                                   CURRENT FILING DATE: 2002-04-05
                                                                                                                                                   TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER FILE REFERENCE: 210121.455C18
                                                                                                                                                                                                                                                                                          APPLICANT:
                                                                                                                                                                                                                                                                                                                                           APPLICANT:
                                                                                                                                                                                                        APPLICANT:
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                                                                                                                                                                                                                                                                           APPLICANT:
                                                                                                                                                                                                                                                                                                                           APPLICANT:
                                                                                                                                                                                                                                                                                                                                                             APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Foy, Teresa M
                                                     LENGTH: 43
                                                                                                                                                                                                        Wang, Tongtong
                                                                                                                                                                                                                                                                                                                          Fanger, Gary R.
Vedvick, Thomas
Carter, Darrick
                                                                                                                                                                                                                                    Kalos, Michael D.
Mericle, Barbara
Spies, Gregory A.
                                                                                                                                                                                                                                                                                        Watanabe, Yoshihiro
Henderson, Robert A.
                                                                                                                                                                                                                        Fan, Liqun
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Matches

Length 579;

Indels

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PCT-US01-47576-348

Sequence 348, Application PC/TUS0147576

GENERAL INFORMATION:
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; ORGANISM: Homo sapiens
PCT-US01-47576-176
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APPLICANT: FOY TENGS
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.45503PC
CURRENT APPLICATION NUMBER: PCT/US01/47576
CURRENT FILLING DATE: 2001-11-30
NUMBER OF SEQ ID NOS: 469
SOFTWARE: FASTSEQ FOR WINDOWS VERSION 4.0
SEQ ID NO 176
SEQ ID NO 176
LENGTH: 579
TYPPE: DEPM
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: Sequence 176, Ap
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Best Local :
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Matches 19; Conserv
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Fanger, Gary R.
Vedvick, Thomas S.
Carter, Darrick
Watanabe, Yoshihiro
Peckman, David W.
                                                  Durham, Margarita
Fanger, Gary R.
Vedvick, Thomas S.
Carter, Darrick
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Wang, Aijun
Skeiky, Yasir A.W.
                                                                                                                    Retter, Marc W.
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Retter, Marc W.
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                     Watanabe, Yoshihiro
Peckman, David W.
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, Ilos, Michael D.
enderson, Robert A.
enderson, Patricia D.
- Natll, Patricia D.
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los, Michael D.
nderson, Robert A.
Neill, Patricia D.
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PCT-US01-47576-446
PCT-US01-47576-446, Application PC/TUS0147576
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TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIACNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.45503PC
CURRENT APPLICATION NUMBER: PCT/US01/47576
CURRENT EILING DATE: 2001-11-30
NUMBER OF SEQ ID NOS: 469
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 348
SEQ ID NO 348
LENGTH: 579
TYPE: PRT
ORGANISM: Homo sapiens
RESULT 5
PCT-US01-47576-449
; Sequence 449, Application PC/TUS0147576
; GENERAL INFORMATION:
; APPLICANT: Corioxa Corporation
; APPLICANT: Wang, Tongtong
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APPLICANT: Foy, Teresa M.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: Z01011.45503PC
CURRENT FILING DATE: Z001.11-30
NUMBER OF SEQ ID NOS: 469
NUMBER OF SEQ ID NOS: 469
SOFTMARE: FastSEQ for Windows Version 4.0
SEQ ID NO 446
LENGTH: 579
TEXTS.
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Matches 19
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Best Local Similarity 100
Matches 19; Conservative
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                                                                                                                                     l Similarity
19; Conserv
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Retter, Marc W.
Durham, Margarita
Fanger, Gary R.
Vedvick, Thomas S.
Carter, Darrick
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Henderson, Robert A.
McNeill, Patricia D.
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Peckman, David W.
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100.0%; P
ative 0;
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Pred. No. 5.6e-08;
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Length 579;

Indels

0; -Gaps

APPLICANT: PPLICANT:

PPLICANT:

Skeiky,

Yasir A.W.

Samual X

Wang, Aijun

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; TYPE: PRT; ORGANISM: Homo sapiens US-09-466-396A-176
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US-09-466-396A-176
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CURRENT FILING DATE: 2001-11-30
NUMBER OF SEQ ID NOS: 469
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 449
LENGTH: 579
TYPEF: FOR
                                                                                                             RESULT 7
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LENGTH: 579
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Best Local Similarity
Matches 19; Conserv
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Best Local Similarity
Matches 19; Conserv
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                                                               GENERAL INFORMATION:
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APPLICANT:
APPLICANT:
                                                                              Sequence 176, Application US/09476496A
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APPLICANT: Wang, Tongtong
APPLICANT: Hosken, Nancy A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
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Carter, Darrick
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Peckman, David W.
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                                                                                                                                                                                                                       Score 106; DB 10;
Pred. No. 5.6e-08;
Pred. No. 5.6e-08;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; ORGANISM: Homo sapiens US-09-480-884A-176
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SEQ ID NO 176
LENGTH: 579
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Best Local :
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SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 176
LENGTH: 579
TYPE: PRT
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Best Local S
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APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILLE REFERENCE: 210121.45506
CURRENT APPLICATION NUMBER: US/09/480,884A
CURRENT FILLING DATE: 2001-08-27
                                                                                                                           APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
TITLE OF INVENTION: AND DIACHOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C7
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                                                                                         CURRENT APPLICATION NUMBER: US/09/510,376A CURRENT FILING DATE: 2001-08-21
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                                                                      NUMBER OF SEQ ID NOS:
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TYPE: PRT
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19; Conserv
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Pred. No. 5.6e-08;
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Pred. No. 5.6e-08;
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ORGANISM: Homo sapiens

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APPLICANT: Wang, Tongtong
APPLICANT: Fan, Liqun
APPLICANT: Fan, Liqun
APPLICANT: Habos, Michael D.
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Hosken, Wancy A.
APPLICANT: Hosken, Gary R.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CAN FILE REFERENCE: 210121.455CB
CURRENT APPLICATION NUMBER: US/09/542,615A
CURRENT FILING DATE: 2000-04-14
NUMBER OF SEQ ID NOS: 350
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 348
LENGTH: 579
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Fan, Liqui
APPLICANT: Kalos, Michael D.
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Hosken, Nancy A.
APPLICANT: Hosken, Nancy A.
APPLICANT: Fanger, Gary R.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CAN FILE REFERENCE: 1210121.455C8
CURRENT APPLICATION NUMBER: US/09/542,615A
CURRENT FILLING DATE: 2000-04-14
NUMBER OF SEQ ID NOS: 350
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 176
LENGTH: 579
LENGTH: 579
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US-09-42-615A-176
; Sequence 176, Application US/09542615A
; GENERAL INFORMATION:
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В
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 37
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               1 TGYAFVDCPDESWALKAIE 19
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 TGYAFVDCPDESWALKAIE 55
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1 Similarity 100.0%;
19; Conservative 0;
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l Similarity 100.0%;
19; Conservative 0;
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Fan, Ligun
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Pred. No. 5.6e-08;
; Mismatches 0;
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Pred. No. 5.6e-08;
; Mismatches 0;
                                                            Score 106; DB 19;
Pred. No. 5.6e-08;
; Mismatches 0;
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US-09-606-421A-176
US-09-606-421A-176, Ap
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-606-421A-176
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-606-421A-348
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   RESULT 14
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Matches 19
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Matches 19
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APPLICANT:
APPLICANT:
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APPLICANT:
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                                                                      1 TGYAFVDCPDESWALKAIE 19
                                              TGYAFVDCPDESWALKAIE
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                                                                                                                    Similarity
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Bangur, Chaitanya S
Bangur, Chaitanya S
Hosken, Nancy
Fanger, Gary R.
Li, Samuel X.
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Fan, Liqun
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Hosken, Nancy
Fanger, Gary R.
Li, Samuel X.
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Fan, Liqun
Kalos, Michael D.
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Sequence 176. *APIICATION US/090042IA
GENERAL INFORMATION:
GENERAL INFOR
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APPLICANT: Li, Samuel x.

APPLICANT: Wang, Aijun

APPLICANT: Skeiky, Yasir A.W.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

FILE REFERENCE: 210121.455.09

CURRENT APPLICATION NUMBER: US/09/606,421B

CURRENT FILING DATE: 2000-06-28

NUMBER OF SEQ ID NOS: 358

SOUTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 176

LENGTH: 579

TYPE: PRT

TYPE: PRT

COMPANIEM: HOMO SapienS
                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/09/606,421B; CURRENT EILING DATE: 2000-06-28; NUMBER OF SEQ ID NOS: 358; SOFTWARE: FASTSEQ for Windows Version 3.0; SEQ ID NO 348; LENGTH: 579; TYPE: PRT; ORGANISM: Homo sapiens
US-09-606-421B-348
                                                                                                                           Query Match
Best Local Similarity
"atches 19; Conserve
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Search completed: April 16, 2003, 16:29:54 Job time: 14.7603 secs
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                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Fanger, Gary R.
APPLICANT: Li, Samuel X.
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C9
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APPLICANT:
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APPLICANT:
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Bangur, Chaitanya S.
Hosken, Nancy
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Hosken, Nancy
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                                                                                                                                              Conservative
                                                                                                                                          100.0%; Score 106; DB 20; 100.0%; Pred. No. 5.6e-08; O. Mismatches 0;
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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  sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence
Sequence
Sequence
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App e 92917, A pp e 92916, A pp e 92918, A pp e 92918, A pp e 92918, A pp e 1446, App e 1446, App e 1455, App e 1455, App e 1466, App e 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 482 Application US/10313986

Sequence 482 Application US/10313986

GENERAL INFORMATION:

APPLICANT: FOY, Teresa M.

APPLICANT: MCNADD, Andria

APPLICANT: Watanabe, Yoshihiro

APPLICANT: Watanabe, Yoshihiro

APPLICANT: Wang, Tongtong

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

FILE REFERENCE: 210121.455C19

CURRENT APPLICATION NUMBER: US/10/313,986

CURRENT FILING DATE: 2002-12-04

NUMBER OF SEQ ID NOS: 560

SOFTWARE: FASTSEQ FOI Windows Version 4.0

SEQ ID NO 482

LENGTH: 43

TYPE: PRT

ORGANISM: Homo sapiens
                                                                                                                   RESULT 2
US-09-724-676-92917
Sequence 92917, Application US/09724676
GENERAL INFORMATION:
APPLICANT: Compugen LID
TITLE OF INVENTION: Variants of alternative splicing
FILE REFERENCE: 129181.4 Compugen
CURRENT APPLICATION NUMBER: US/09/724,676
CURRENT FILING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 97222
SOFTWARE: Patentin version 3.2
REVIEW DATE: 134
FEATURE 134
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Best Local Similarity
Watches 19; Conserve
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US-10-313-986-482
                                                    ; ORGANISM: Homo sapiens
US-09-724-676-92917
     Query Match
                                                                                                     TYPE: PRT
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100.0%; Pr
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US-09-724-676A-48619
US-09-724-676A-48620
US-10-313-986-465
US-10-313-986-450
US-10-313-986-508
US-10-313-986-508
US-10-313-986-799
US-10-313-986-799
US-10-313-986-797
US-10-313-986-797
US-09-513-996-7342
US-60-453-135-11528
US-60-453-135-11528
US-60-453-135-11527
US-60-453-135-11527
US-60-453-050-11527
US-60-453-050-115601
PCT-US02-31357-40
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Pred. No. 1.3e-09;
); Mismatches 0;
     Score 106;
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     5,
     Length 134;
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48610, App
465, App
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Minimum DB Maximum DB Total number

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length: 0 length: 2000000000

of hits satisfying chosen parameters:

155932251 residues

Post-processing:

Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database

Scoring table:

BLOSUM62 Gapop 10.0 ,

Gapext 0.5

Title: Perfect score:

US-09-897-778-176_COPY_37_55 106 1 TGYAFVDCPDESWALKAIE 19

OM protein -

protein search, using sw model

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RESULT 5
US-09-724-676A-92916
Sequence 92916, Application US/09724676A
Sequence 92916, Application US/09724676A
GENERAL IMFORMATION:
APPLICANT: Compugen LTD
TITLE OF INVENTION: Variants of alternative splicing
FILE REFERENCE: 129181.4 Compugen
CURRENT APPLICATION NUMBER: US/09/724,676A
CURRENT FILING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 97222
SOFTMARE: PatentIn version 3.2
SOFTMARE: PatentIn version 3.2
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US-09-724-676A-92917
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; TYPE: PRT; ORGANISM: Homo sapiens US-09-724-676A-92917
                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Compugen ITD
TITLE OF INVENTION: Variants of alternative splicing
FILE REFERENCE: 129181.4 Compugen
CURRENT PLICATION NUMBER: US/09/724,676
CURRENT FILING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 97222
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
SEQ ID NO 92916
LENGTH: 492
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILE REFERENCE: 129181.4 Compugen Total CURRENT APPLICATION NUMBER: US/09/724,676A CURRENT FILING DATE: 2000-11-28 NUMBER OF SEQ ID NOS: 97222 SOFTWARE Patentin version 3.2 SEQ ID NO 92917
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 92916, Application US/09724676 GENERAL INFORMATION:
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GENERAL INFORM
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Best Local Similarity 100.0%;
Matches 19; Conservative 0;
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SENERAL INFORMATION:
APPLICANT: Compugen LTD
TITLE OF INVENTION: Variants of alternative splicing
                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
        LENGTH: 492
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                                                                                                                                                                                                                                                                     Local Similarity 100.0%; hes 19; Conservative
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Local Similarity 100.0%;
es 19; Conservative 0;
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Pred. No. 1.4e-08;
); Mismatches 0;
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Pred. No. 3.9e-09;
Mismatches 0;
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Mismatches 0;
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                                                                                                                                                                                                                                                                                                           RESULT 7
US-09-724-676A-92918
Sequence 92918, Application US/09724676A
SERRAL IMFORMATION:
APPLICANT: Compugen LTD
TITLE OF INVENTION: Variants of alternative splicing
FILE REFERENCE: 129181, 4 Compugen CURRENT APPLICATION NUMBER: US/09/724,676A
CURRENT FILING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 97222
SOFTWARE: PatentIn version 3.2
SEQ ID NO 92918
LENGTH: 558
TYPE: PRT
TYPE: PRT
TYPE: PRT
TOP: PRT
100 92918
US-09-724-676A-92918
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GENERAL INFORMATION:
APPLICANT: Compugen LTD
TITLE OF INVENTION: Variants of alternative splicing
FILE REFERENCE: 12918.4 Compugen
CURRENT APPLICATION NUMBER: US/09/724,676
CURRENT FILING DAYE: 2000-11-28
NUMBER OF SEQ ID NOS: 97222
SOFTWARE: Patentin version 3.2
SEQ ID NO 92918
LENGTH: 558
TYPE: PAT
ORGANISM: Homo sapiens
US-09-724-676-92918
                                                                                                           RESULT 8
US-10-313-986-176
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US-09-724-676-92918
Sequence 176, Application US/10313986
GENERAL INFORMATION:
APPLICANT: FOY, Teresa M.
APPLICANT: McNabb, Andria
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Watenabe, Yoshihiro
APPLICANT: Reed, Steven G.
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Best Local S
Matches 19
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Local Similarity 100.0%; Pred. No. 1.4e-08;
es 19; Conservative 0; Mismatches 0;
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l Similarity 100.0%;
l9; Conservative 0
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Pred. No. 1.5e-08;
Mismatches 0;
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Pred. No. 1.5e-08;
Mismatches 0;
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US-10-313-986-348
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; ORGANISM: Homo sapiens
US-10-313-986-176
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US-10-313-986-348
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CURRENT ETLING DATE: 2002-12-04
NUMBER OF SEQ ID NOS: 560
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 348
LENGTH: 579
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CURRENT FILING DATE: 2002-12-04
NUMBER OF SEQ ID NOS: 560
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 176
LENGTH: 579
NUMBER OF SEQ ID NOS: 560
SOFTWARE: FASTESQ for Windows Version 4.0
SEQ ID NO 446
LENGTH: 579
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Best Local (
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APPLICANT: MCNAbb, Andria
APPLICANT: Watanabe, Yoshil
APPLICANT: Reed, Steven G.
APPLICANT: Wang, Tongtong
                                                                          TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER FILE REFERENCE: 210121.455C19
CURRENT APPLICATION NUMBER: US/10/313,986
CURRENT FILING DATE: 2002-12-04
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APPLICANT: Reed, Steven G.
APPLICANT: Wang, Tongtong
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C19
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TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C19
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Local Similarity 100.0%; ;
hes 19; Conservative 0;
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Similarity 100.0%;
19; Conservative
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Pred. No. 1.6e-08;
; Mismatches 0;
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Pred. No. 1.6e-08;
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US-10-313-986-449; Sequence 449; Application US/10313986; GENERAL INFORMATION:
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                                                                                                                                              CURRENT APPLICATION NUMBER: US/10/313,986
CURRENT FILING DATE: 2002-12-04
NUMBER OF SEQ ID NOS: 560
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 480
LENGTH: 579
TYPE: PRT
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 449
LENGTH: 579
TYPE: PRT
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Matches 19; Conserv
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APPLICANT: Wang, Tongtong
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIACNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C19
                                                                                                                                                                                                                                                                                                                                   APPLICANT: FOY, APPLICANT: MCNa APPLICANT: Wate
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CURRENT APPLICATION NUMBER: US/10/313,986
CURRENT FILING DATE: 2002-12-04
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APPLICANT: Reed, Steven G.
APPLICANT: Wang, Tongtong
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                                                        Local Similarity
les 19; Conserv
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TGYAFVDCPDESWALKAIE
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Pred. No. 1.6e-08;
Pred. No. 1.6e-09;
                                                                        Score 106;
Pred. No. 1
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                                                          s 0;
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APPLICANT: McNabb, Andria
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Wang, Tongtong
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: Z10121.455C19
CURRENT FILING DATE: 2002-12-04
NUMBER OF SED ID NOS: 560
SOPTMARE: FRASTSEQ for Windows Version 4.0
SED ID NO 484
LENGTH: 579
TYPE: Dom
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US-10-348-119-255

; Sequence 255, Application US/10348119

; SENERAL INFORMATION:

; APPLICATE STITCH TONE: IDENTIFICATION COMP.
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US-10-313-986-484
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US-10-313-986-427
; Sequence 427, A)
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CURRENT FILING DATE: 2003-01-17
PRIOR APPLICATION NUMBER: US 60/350,061
PRIOR FILING DATE: 2002-01-18
NUMBER OF SEQ ID NOS: 795
SOFTWARE: PATENTIN VERSION 3.2
SEQ ID NO 255
LENGTH: 579
TYPE: PRT
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Best Local :
                                                                                                                                   GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                           Ouery Match 100.0%; Score 106; DB 6;
Best Local Similarity 100.0%; Pred. No. 1.6e-08;
Matches 19; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Bristol-Myers Squibb Company of Title OF INVENTION: IDENTIFICATION OF DELYNUCLEOTIDES AND POLYPEPTIDE FOR PREDICTING TITLE OF INVENTION: ACIDITY OF COMPOUNDS THAT INTERACT WITH PROTEIN TYROSINE KINASE PATHWAYS
FILE REFERENCE: D0185 NP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 100.0%; Score 106; DB 6; Length 579; Best Local Similarity 100.0%; Prod. No 1.6e-08; Matches 19; Conservative 0; Mismatches 0; Indels
                                                                                                 APPLICANT: Foy, Teresa M.
APPLICANT: McNabb, Andria
TLE OF INVENTION:
                                                                                                                                                                                                                                                          Watanabe, Yoshihiro
Reed, Steven G.
Wang, Tongtong
                                                                                                                                                              Application US/10313986
COMPOSITIONS AND METHODS FOR THE THERAPY AND DIAGNOSIS OF LUNG CANCER
                                                                                                                                                                                                                                                                                                                                                                                  Length 579;
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CURRENT APPLICATION NUMBER: US/10/313,986
CURRENT FILING DATE: 2002-12-04
NUMBER OF SEQ ID NOS: 560
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 427
SEQ ID NO 427
LENGTH: 586
TYPE: PRT
ORGANISM: Homo sapiens
US-10-313-986-427
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Matches 19; Conservative 0; Mismatches 0;
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and is derived by analysis of the total score distribution.
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ABG02217	ABP10782	AAB41067	AAB01801	AAE22108	AAB56957	AAU58517	ABP03056	AAU42819	AAU29896	ABG65366	AAB87388	ABP06400	ABG39212	AAM05090	AAM29927	AAM17405	AAM69591	AAM57186	ABB21780	ABB36428	ABB31221	AAY41340	ABP33654	ABP01689	ABP02466	AAR49589	AAR49438	ABG12592	AAY30649	ABG12593	ABG21961	ABB75026	196	ABB75048
Novel human diagno	Human ORFX protein	Human ORFX ORF831	Rice Mlo homologue	Human 48921 guanin	Human prostate can	Propionibacterium	Human ORFX protein	Propionibacterium	Novel human secret	albumin	Human gene 47 enco	Human ORFX protein	Human peptide enco	Peptide #3772 enco	Peptide #3964 enco		one m	Human brain expres	Protein #3779 enco		#3872 €		Human ORF2627 prot	Human ORFX protein	Human ORFX protein	Sequence of HLA-DR	Minigene HLA-DRalp	Novel human diagno	A murine c-myc cod	Novel human diagno	Novel human diagno	n lung	Novel human diagno	Human lung tumour

ALIGNMENTS

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RRESULT 1
ABB75070
IID ABB75070
XX ABB75070
XX ABB7
XX ABB7
XX ABB7
XX Immu
XX Immu
XX Immu
XX Homo
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XX Homo
XX E-J
PN 03-J
XX 28-J
PR 02-A
PR 115-S
PR 09-C
PR 12-L
PR 09-C
PR 115-S
PR 09-C
PR 09
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02-AUG-2000; 2000US-0630940.
21-AUG-2000; 2000US-0643597.
15-SEP-2000; 2000US-0662786.
09-OCT-2000; 2000US-068596.
12-DEC-2000; 2000US-0785705.
07-MAY-2001; 2001US-0850716.
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Wang T, Wang A, Skeiky YAW, Li SX, McNeill PD, Fanger N, Retter MW, M

K, Kalos MD, Marnerakis M,

Henderson RA; Fanger GR;

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Matches
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02-AUG-2000; 2000US-0630940.
21-AUG-2000; 2000US-0645597.
15-SEP-2000; 2000US-0662786.
09-OCT-2000; 2000US-0685596.
12-DEC-2000; 2000US-0850716.
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               Claim 2; Page 168; 374pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present invention describes human lung tumour proteins. Human lung tumour proteins and polynucleotides have cytostatic and immunostimulant activities, and can be used in vaccine production. Compositions comprising the lung tumour proteins, polynucleotides, antibodies, fusion proteins, T cell populations, or antigen presenting cells that express the lung tumour proteins are useful for treating lung cancer or stimulating an immune response. ABL48959 to ABL49300 and ABB74946 to ABB75070 represent sequences used in the exemplification of the present
                                 Polynucleotides encoding lung tumor polypeptides, lung cancer or stimulating an immune response -
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DB; ABL49300.
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immune response -
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Y, Peckham DW;
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The present invention describes human lung tumour proteins. Human lung tumour proteins and polynucleotides have cytostatic and immunostimulant activities, and can be used in vaccine production. Compositions comprising the lung tumour proteins, polynucleotides, antibodies, fusion proteins, T cell populations, or antigen presenting cells that express the lung tumour proteins are useful for treating lung cancer or stimulating an immune response. ABIA8959 to ABIA99300 and ABB74946 to ABB75070 represent sequences used in the exemplification of the present

Claim 2;

Page 348; 374pp; English.

Polynucleotides encoding lung lung cancer or stimulating an

tumor polypeptides,
immune response -

useful for treating

WPI; 2002-090513/12.

Vedvick

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Matches
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02-AUG-2000;
21-AUG-2000;
15-SEP-2000;
19-OCT-2000;
12-DEC-2000;
07-MAY-2001;
                                                                                                                                                                                                                     Wang T,
McNeill
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention describes human lung tumour proteins. Human lung tumour proteins and polynucleotides have cytostatic and immunostimulant activities, and can be used in vaccine production. Compositions comprising the lung tumour proteins, polynucleotides, antibodies, fusion proteins, T cell populations, or antipen presenting cells that express the lung tumour proteins are useful for treating lung cancer or stimulating an immune response. ABIJ8959 to ABIJ49300 and ABB74946 to ABB75070 represent sequences used in the exemplification of the present
                                                                                                                                                                                                                                                                                                                                                                   28-JUN-2001;
                                                                                                                                                                                                                                                                                                                                                                                          03-JAN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                WO200200174-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    01-MAY-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABB75027;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABB75027
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    invention.
                                                                                                                                                                                                                                                    (CORI-) CORIXA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; lung tumour; lung cancer; cytostatic; immunostimulant; vaccine; immune response.
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                                                                                                                                                                                                      Wang A, Skeiky YAW, Li SX, Kalos MD, PD, Fanger N, Retter MW, Marnerakis M, TS, Carter D, Watanabe Y, Peckham DW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              standard; Peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            tumour L523S peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             18 AA;
                                                                                                                                                                                                                                                                          ; 2000US-0606421.
2000US-0630940.
; 2000US-0643597.
; 2000US-0662786.
2000US-0662786.
; 2000US-0735705.
; 2000US-0850716.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%;
ilarity 100.0%;
Conservative 0
                                                                                                                                                                                                                                                                                                                                                                     2001WO-US21065
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 11; DB 23; Pred. No. 8.6e-07; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQ ID NO:400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 18;
                                                                                                                                                                                                                  Henderson R
Fanger GR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                             RA;
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RESULT 4
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                                                Query Match
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Matches 11
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                                                                                                                                                                                                                                                                                                                                                                                         28-JUN-2000;
02-AUG-2000;
21-AUG-2000;
                                                                                                                                                                                                                                                                                      Wang T,
McNeill
Vedvick
                                                                                                                   The present invention describes human lung tumour proteins. Human lung tumour proteins and polynucleotides have cytostatic and immunostimulant activities, and can be used in vaccine production. Compositions comprising the lung tumour proteins, polynucleotides, antibodies, fusion proteins, T cell populations, or antigen presenting cells that express the lung tumour proteins are useful for treating lung cancer or stimulating an immune response. ABL48959 to ABL49300 and ABB74946 to ABB7570 represent sequences used in the exemplification of the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence
                                                                                                                                                                                                                                                                  WPI; 2002-090513/12.
                                                                                                                                                                                                                                                                                                                                                                      15-SEP-2000;
09-OCT-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human lung tumour L523S epitope
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-MAY-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABB75061;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABB75061 standard;
                                                                                         Sequence
                                                                                                                                                                                                               Claim 2; Page 167; 374pp; English.
                                                                                                                                                                                                                                    Polynucleotides encoding lung tumor polypepti-
lung cancer or stimulating an immune response
                                                                                                                                                                                                                                                                                                                                                    07-MAY-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human;
                                                                                                                                                                                                                                                                                                                               (CORI-) CORIXA CORP.
                                                                                                            invention
                                                                                                                                                                                                                                                                                                                                                              12-DEC-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   immune response.
                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local
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                            FVDCPDESWAL 11
         FVDCPDESWAL 12
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                                                                                                                                                                                                                                                                                      PD,
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                                                                                                                                                                                                                                                                                                           Wang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        nilarity 100.
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20
                                                                                         20 AA;
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2000US-0685696.
2000US-0735705.
2000US-0850716.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                 Conservative
                                                                                                                                                                                                                                                                                      g A, Skeiky YAW, Li SX, Kalos MD, Fanger N, Retter MW, Marnerakis M, Carter D, Watanabe Y, Peckham DW;
                                                                                                                                                                                                                                                                                                                                                                                         2000US-0630940.
2000US-0643597.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            lung cancer; cytostatic; immunostimulant; vaccine;
                                                         100.0%;
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Pred. No.
                                                          Score 11;
Pred. No.
                                                                                                                                                                                                                                             tumor polypeptides, useful for treating
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                                                 Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ID NO:457
                                                          DB 23;
9.4e-07;
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                                                 0;
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                                                                  Length 20;
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Fanger GR;
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RESULT
                                                 Query Match
Best Local Similarity
Matches 11; Conserv
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17-DEC-1999;
30-DEC-1999;
10-JAN-2000;
22-FEB-2000;
                                                                                                                                       This invention describes a novel isolated polypeptide (I) which comprising an immunogenic portion of a lung tumor protein or variant (P2) which have cytostatic activity. The polypeptides and polypuncleotides are used in compositions and vaccines to inhibit the development of cancer, especially lung cancer, in a patient. Methods described in the invention can be used to monitor the progression of a cancer by carrying out the detection at subsequent time points and comparing the results from the different time points. CD4+ and/or CD8+ T-Cells isolated from a patient are treated with P2, polypuroleotides encoding P2 or antigen presenting cells expressing P2 and then administered to the patient to inhibit
                                                                                                                                                                                                                                                                                                               Isolated polypeptide comprising an immunogenic portion of a lung tumor protein is used for detecting and monitoring progression of lung cances in a patient -
                                                                                                    Sequence
                                                                                                                                                                                                                                                                                     Claim 3; Page 186-188; 261pp; English
                                                                                                                                                                                                                                                                                                                                                                    N-PSDB;
                                                                                                                                                                                                                                                                                                                                                                                                       Wang T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           03-APR-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200061612-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                vaccine; detection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human lung cancer-associated protein L523S.
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                                                                                                                              development of cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                 (CORI-) CORIXA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Lung cancer; therapy; treatment; human; tumor;
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41
            1 FVDCPDESWAL 11
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FVDCPDESWAL 51
                                                                                                                                                                                                                                                                                                                                                                    AAC65900
                                                                                                                                                                                                                                                                                                                                                                                                         Fan L;
                                                                                                     579 AA;
                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                         2000US-0480884
2000US-0510376
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99US-0466396.
99US-0476496.
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                                                            100.0%;
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                                                  0;
                                                 Score 11; DB 21;
Pred. No. 1.6e-05;
; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             immunogenic; cytostatic;
                                                                          Length 579;
                                                    Indels
                                                  0;
                                                 Gaps
                                                                                                                                                                                                                                                                                                                              cancer
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Human lung cancer associated antigen L523S

21-FEB-2001 AAB11365;

(first entry)

AAB11365 standard; Protein; 579

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Query Match
Best Local S
Matches 11
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17-DEC-1999;
30-DEC-1999;
10-JAN-2000;
22-FEB-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             This invention describes a novel isolated polypeptide (I) which comprising an immunogenic portion of a lung tumor protein or variant (P2) which have cytostatic activity. The polypeptides and polynucleotides are used in compositions and vaccines to inhibit the development of cancer, especially lung cancer, in a patient. Methods described in the invention can be used to monitor the progression of a cancer by carrying out the detection at subsequent time points and comparing the results from the different time points. CD4+ and/or CD8+ T-Cells isolated from a patient are treated with P2, polynucleotides encoding P2 or antigen presenting cells expressing P2 and then administered to the patient to inhibit
                                                                                                                                                                      Human;
immune
                                                                                                                                                                                                                                                                                         01-MAY-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 3; Page 259-261; 261pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Isolated polypeptide comprising an immunogenic portion of a lung protein is used for detecting and monitoring progression of lung in a patient
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Wang T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          03-APR-2000; 2000WO-US08896
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vaccine; detection.
                                                                            WO200200174-A2
                                                                                                                        Homo sapiens
                                                                                                                                                                                                                                       Human lung tumour L523S protein sequence SEQ ID NO:176
                                                                                                                                                                                                                                                                                                                                                                                ABB74960 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  development of cancer.
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DB; AAC66035.
                                                                                                                                                                   lung tumo
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11; Conserv
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nilarity 100.
Conservative
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; 99US-0466396.
; 99US-0476496.
; 2000US-0480884.
; 2000US-0510376.
                                                                                                                                                                                            tumour;
                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                   Protein;
                                                                                                                                                                                            lung cancer; cytostatic;
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Pred. No. 1.6e-05;
Mismatches 0;
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                                                                                                                                                                                            immunostimulant; vaccine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 579;
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RESULT 8
ABB74997
ID ABB7
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Matches 11
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02-AUG-2000;
21-AUG-2000;
15-SEP-2000;
09-OCT-2000;
12-DEC-2000;
07-MAY-2001;
28-JUN-2000;
02-AUG-2000;
21-AUG-2000;
15-SEP-2000;
19-OCT-2000;
12-DEC-2000;
07-MAY-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Wang T,
McNeill
                                                                                                                                                                                            28-JUN-2001;
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                                                                                                                                                                                                                                                                                      WO200200174-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABB74997 standard; Protein; 579
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 2; Page 267-268; 374pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Polynucleotides encoding lung lung cancer or stimulating an
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                                                                                                                                                                                                                                                                                                                                 Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                        Human; lung tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            invention
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DB; ABL49119.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cn 100.0%;
1 Similarity 100.0%;
11; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                response
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PD, Fanger N, F
TS, Carter D, V
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 tumour L523S protein sequence SEQ ID NO:348
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2000US-0630940.
; 2000US-0643597.
; 2000US-0662786.
2000US-0665786.
; 2000US-0735705.
; 2000US-0850716.
  2000US-0606421.
2000US-0630940.
2000US-0643597.
2000US-0662786.
2000US-0685696.
2000US-0735705.
2001US-0850716.
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                                                                                                                                                                                            2001WO-US21065
                                                                                                                                                                                                                                                                                                                                                                                                        lung cancer; cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Retter MW, I SX Watanabe Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0;
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Pred. No. 1.6e-05;
Mismatches 0;
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, Marnerakis M,
Y, Peckham DW;
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Length 579;

Indels

0;

Gaps

0;

useful for treating

Henderson F Fanger GR;

В Ş

immunostimulant; vaccine;

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RESULT 9
ABB75053
ID ABB7
XX ABB7
XX ABB7
XX ABB7
XX Hum
XX Hum
XX Inm
XX Inm
XX Ho
XX ABB7
XX
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Best Local S
Matches 11
                                                                                                                                                                                                              09-OCT-2000;
12-DEC-2000;
07-MAY-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present invention describes human lung tumour proteins. Human lung tumour proteins and polynucleotides have cytostatic and immunostimulant activities, and can be used in vaccine production. Compositions comprising the lung tumour proteins, polynucleotides, antibodies, tumour proteins, or antigen presenting cells that express the lung tumour proteins are useful for treating lung cancer or stimulating an immune response. ABL48959 to ABL49300 and ABB74946 to ABB75070 represent sequences used in the exemplification of the present
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McNeill
                                                                                           Wang T,
McNeill
  WPI; 2002-090513/12
N-PSDB; ABL49297.
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02-AUG-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      03-JAN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO200200174-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human lung tumour
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-MAY-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 2; Page 330-332; 374pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         N-PSDB;
                                                                                                                                                                                                                                                                                   21-AUG-2000;
15-SEP-2000;
                                                                                                                                                                                                                                                                                                                                                                                                        28-JUN-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; lung tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABB75053 standard; Protein; 579
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Polynucleotides encoding lung tumor polypeptides, lung cancer or stimulating an immune response -
                                                                                                                                                                   (CORI-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             mmune response.
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DB; ABL49254.
                                                                  Wang
PD, I
TS, (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Wang A, Skeiky YAW,
PD, Fanger N, Retter
TS, Carter D, Watana
                                                                                                                                                                   CORIXA CORP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              579 AA;
                                                             ng A, Skeiky YAW, Li SX, Kalos MD, Fanger N, Retter MW, Marnerakis M, Carter D, Watanabe Y, Peckham DW;
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2000US-0630940.
2000US-0643597.
2000US-0662786.
2000US-0685696.
2000US-0735705.
2001US-0850716.
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                                                                                                                                                                                                                                                                                                                                                                                                        2001WO-US21065
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  L523S recombinant protein sequence SEQ ID NO:446
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       lung cancer; cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         y YAW, Li SX
Retter MW,
Watanabe Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0;
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
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W, Marnerakis M,
Y, Peckham DW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1.6e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       immunostimulant; vaccine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ĭ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 579;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         useful
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                                                                                                                  Henderson
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                                                                                         Fanger
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         for treating
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RESULT 10
ABB75054
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Best Local
                                                                                                                                                                                                                      28.JUN-2000;
02-AUG-2000;
21-AUG-2000;
15-SEP-2000;
09-OCT-2000;
                                                                                                                                            Wang T,
McNeill
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention describes human lung tumour proteins. Human lung tumour proteins and polynucleotides have cytostatic and immunostimulant activities, and can be used in vaccine production. Compositions comprising the lung tumour proteins, polynucleotides, antibodies, tumour proteins, or antigen presenting cells that express the lung tumour proteins are useful for treating lung cancer or stimulating an immune response. ABL4939 to ABL49300 and ABB74946 to ABB7570 represent sequences used in the exemplification of the present
                                                             Polynucleotides encoding lung lung cancer or stimulating an
                                                                                                                                                                                                  12-DEC-2000;
07-MAY-2001;
                                                                                                                                                                                                                                                                                         28-JUN-2001; 2001WO-US21065
                                                                                                                                                                                                                                                                                                                                                                                                                                          01-MAY-2002
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                                           Claim
                                                                                                 N-PSDB;
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                                                                                                                                                                                                                                                                                                                 03-JAN-2002
                                                                                                                                                                                                                                                                                                                                       WO200200174-A2
                                                                                                                                                                                                                                                                                                                                                                                             Human; lung tumour; lung cancer; cytostatic; immunostimulant; vaccine;
                                                                                                                                                                                                                                                                                                                                                                                                                  Human lung tumour L523S recombinant protein sequence SEQ ID NO:449.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABB75054;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABB75054 standard; Protein;
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                                                                                                                                                                            (CORI-)
                                                                                                                                                                                                                                                                                                                                                                                 immune response
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             41 FVDCPDESWAL
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                                                                                                 2002-090513/12.
DB; ABL49299.
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                                                                                                                                 PD,
TS,
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                                                                                                                                                                             CORIXA CORP.
                                                                                                                                                      Wang A, Skeiky YAW,
                                          Page
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                                                                                                                               Fanger N,
Carter D,
                                                                                                                                                                                                 2000US-0630940.
2000US-0643597.
2000US-0662786.
2000US-0685696.
2000US-0735705.
2001US-0850716.
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                                                                                                                                                                                                                                                                    2000US-0606421
                                         374pp;
                                                                                                                               y YAW, Li SX,
Retter MW, Ma
Watanabe·Y, P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .08;
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Pred. No.
                                         English.
                                                              tumor polypeptides,
immune response -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     B
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                                                                                                                                 SX, Kalos MD,
Marnerakis M,
Peckham DW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1.6e-05;
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                                                                          useful
                                                                                                                                                        Henderson
                                                                                                                                            Fanger
                                                                          for treating
                                                                                                                                             GR;
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0;

The present invention describes human lung tumour proteins. Human lung tumour proteins and polynucleotides have cytostatic and immunostimulant activities, and can be used in vaccine production. Compositions

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RESULT 11
ABB75048
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Best Local S
Matches 11
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02-AUG-2000;
21-AUG-2000;
15-SEP-2000;
19-OCT-2000;
12-DEC-2000;
The present invention describes human lung tumour proteins. Human lung tumour proteins and polynucleotides have cytostatic and immunostimulant activities, and can be used in vaccine production. Compositions comprising the lung tumour proteins, polynucleotides, antibodies, tusion proteins, T cell populations, or antiger presenting cells that express the lung tumour proteins are useful for treating lung cancer or stimulating an immune response. ABL48959 to ABL49300 and ABB74946 to ABB75970 represent sequences used in the exemplification of the present
                                                                                                                                                                                                                                                                                                                                                                                                    Wang T,
McNeill
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    comprising the lung tumour proteins, polynucleotides, antibodies, fusion proteins, T cell populations, or antigen presenting cells that express the lung tumour proteins are useful for treating lung cancer or stimulating an immune response. ABL49359 to ABL49300 and ABB74946 to ABB75070 represent sequences used in the exemplification of the present
                                                                                                                                                                                                       Claim 2; Page 354-355; 374pp; English.
                                                                                                                                                                                                                                                                                                                N-PSDB;
                                                                                                                                                                                                                                             Polynucleotides encoding lung lung cancer or stimulating an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  07-MAY-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (CORI-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             lmmune response.
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41 FVDCPDESWAL 51
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DB; ABL49283.
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11; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    lung tumour;
                                                                                                                                                                                                                                                                                                                                                                           Wang A, Skeiky YAW, Li SX, Kalos MD, PD, Fanger N, Retter MW, Marnerakis M, TS, Carter D, Watanabe Y, Peckham DW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORIXA CORP.
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2000US-0630940.
2000US-0643597.
2000US-0662786.
2000US-0685696.
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2000US-0850716.
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larity 100.0%;
Conservative (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 lung cancer;
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Pred. No. 1.(
); Mismatches
                                                                                                                                                                                                                                             tumor polypeptides,
immune response -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ΑA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cytostatic;
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1.6e-05;
thes 0;
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                                                                                                                                                                                                                                                                    useful for treating
                                                                                                                                                                                                                                                                                                                                                                                                  Henderson F
Fanger GR;
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Sequence

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RESULT 12
ABG21963
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N-PSDB; AAS86150.
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23-AUG-2000;
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food supplement; medical imaging; diagnostic; genetic disorder.
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  DB 22;
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RESULT 13

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The present invention describes human lung tumour proteins. Human lung tumour proteins and polynucleotides have cytostatic and immunostimulant activities, and can be used in vaccine production. Compositions comprising the lung tumour proteins, polynucleotides, antibodies, fusion proteins, T cell populations, or antiped presenting cells that express the lung tumour proteins are useful for treating lung cancer or stimulating an immune response. ABL48959 to ABL49300 and ABB74946 to ABB75070 represent sequences used in the exemplification of the present
ABG21961 standard; Protein;
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PD, Fanger N, Retter MW,
TS, Carter D, Watanabe Y,
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Pred. No. 0.(
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, Marnerakis M,
Y, Peckham DW;
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Fanger GR;
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ABG12593
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food supplement; medical imaging; diagnostic; genetic disorder.
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23-AUG-2000;
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                                        ABG12593 standard; Protein;
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DB; AAS86148.
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28-JUN-2000; 02-AUG-2000; 28-JUN-2001; 03-JAN-2002

15-SEP-2000; 21-AUG-2000; Homo sapiens

Human;

01-MAY-2002 ABB75026;

Wang T, McNeill

(CORI-) 07-MAY-2001; 09-OCT-2000;

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TS,

Claim

ABG21961 ID ABG

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Query Match
Best Local S
Matches 9

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Sequence

Novel human diagnostic protein #12584.

18-FEB-2002 (first entry)

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Page 8
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Search completed: April 16, 2003, 16:34:38 Job time :: 4.52874 secs
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N-PSDB; AAS76780.
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23-AUG-2000; 2000US-0649167.
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Maximum DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Total number of hits satisfying chosen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Word size
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Run on:
    Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                    Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               seq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              length: 0
length: 2000000000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          April 16, 2003, 16:32:15; Search time 0.776683 Seconds (without alignments) 416.711 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                  Match
  Query
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GenCore version 5.1.4_p5_4578 Copyright (c) 1993 - 2003 Compugen Ltd.
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/cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
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US-09-643-597-176
US-09-618-597-348
US-09-261-855-2
US-08-973-334-2
US-09-563-869A-2
US-09-109-205-1
US-09-109-205-1
US-09-109-205-1
US-09-564-805-224
US-09-564-805-224
US-09-564-805-226
US-09-564-805-226
US-09-134-513-2
US-08-947-823-3
US-08-947-823-3
US-08-947-823-3
US-08-948-3-417-2
US-08-669-656A-8
US-09-134-001C-3945
US-08-69-56A-8
US-08-69-56A-8
US-08-69-56A-8
US-08-69-56A-9
US-08-69-56A-9
US-08-388-63-7
US-08-388-63-7
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US-08-388-63-7
US-08-388-63-7
US-08-388-63-7
US-08-483-888-7
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4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
19	17	17	17	16	11	10	10	10	6	6	4	4	4	4	4	4	4
4	σ	N	_	N	4	2	N	2	ഗ	σ	4	4	4	w	w	ω	w
US-08-789-333F-20	5256643-9	US-08-743-200-4	US-08-179-481-69	US-08-769-745-27	US-09-183-217-9	US-08-849-480A-19	US-08-726-464B-11	US-08-726-464B-8	PCT-US94-01321-60	PCT-US94-01321-59	US-09-302-629-7	US-09-087-647-7	US-09-158-010-7	US-09-156-855-7	US-09-087-811-7	US-09-157-230-7	US-09-157-753-7
Sequence 20, Appl	Patent No. 5256643	Sequence 4, Appli	Sequence 69, Appl	Sequence 27, Appl	Sequence 9, Appli	Sequence 19, Appl	Sequence 11, Appl	. Sequence 8, Appli	Sequence 60, Appl	Sequence 59, Appl	Sequence 7, Appli						

ALIGNMENTS

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; ORGANISM: Homo sapiens US-09-643-597-176
              GENERAL INFORMATION:
APPLICANT: Wang, To,
APPLICANT: Fan, Liq
APPLICANT: Kalos, M
APPLICANT: Bangur,
APPLICANT: Hosken,
APPLICANT: Fanger,
                                                                                                                                                                         RESULT 2
US-09-643-597-348
                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: Fast SEQ ID NO 176
LENGTH: 579
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                       Sequence 348, Application US/09643597 Patent No. 6426072
                                                                                                                                                                                                                                                                                                            Query Match 100.0%;
Best Local Similarity 100.0%;
Matches 11; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 176, Application US/09643597 Patent No. 6426072
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APPLICANT:
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APPLICANT:
APPLICANT:
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CURRENT APPLICATION NUMBER: US/09/643,597
CURRENT FILING DATE: 2000-08-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Henderson, Robert A.
APPLICANT: MCNeill, Patricia D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
TITLE DEFENSE. JACAL 456511
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQ ID NOS:
   APPLICANT:
                                                                                                                                                                                                                                                41 FVDCPDESWAL 51
                                                                                                                                                                                                                                                                FVDCPDESWAL 11
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Hosken, Nancy
Fanger, Gary R.
Li, Samuel X.
Bangur, Chaitanya s
Hosken, Nancy
Fanger, Gary R.
Li, Samuel X.
                                                                                      Wang, Tongtong
Fan, Liqun
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Skeiky, Yasir A.W.
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Fan, Liqun
Kalos, Michael D.
                                                                  Kalos, Michael D
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Pred. No. 2.8e-05;
                                                                                                                                                                                                                                                                                                                   Mismatches
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APPLICANT: Henderson, Robert A.
APPLICANT: MCNEAIL, PATRICIA D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C11
CURRENT APPLICATION NUMBER: US/09/643,597
CURRENT FILING DATE: 2000-08-21
NUMBER OF SEQ ID NOS: 369
SOFTMARE: FESTESEQ for Windows Version 3.0
SEQ ID NO 348
LENGTH: 579
TYPE: PAT
ORGANISM: Homo Sapiens
US-09-643-597-348
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; TYPE: PRT; ORGANISM: Mus musculus US-09-261-855-2
                                                                                                                                                                                                                                                                                                           US-08-973-334-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: ROSS, Jeffrey

TITLE OF INVENTION: THE C-MYC CODING REGION DETERMINANT-BINDING PROTEIN

TITLE OF INVENTION: (CRD-BP) AND ITS NUCLEIC ACID SEQUENCE

FILE REFERENCE: 960296.95131

CURRENT APPLICATION NUMBER: US/09/261,855A

CURRENT FILING DATE: 1999-03-03

NUMBER OF SEQ ID NOS: 46

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 2

LENGTH: 577
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 us-09-261-855-2
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Best Local S
Matches 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 2, Application US/09261855A
Patent No. 6255055
GENERAL INFORMATION:
APPLICANT: Ross, Jeffrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local
                                                                                                                                                                                                                                                        GENERAL INFORMATION:
                                                                                  TITLE OF INVENTION: Recombinant Adenovirus and Adeno-
TITLE OF INVENTION: Associated Virus, Cell Lines, and
TITLE OF INVENTION: Methods of Production and Use
TITLE OF INVENTION: Thereof
NUMBER OF SEQUENCE: 5
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                           tent No.
                                                                                                                                                                                             APPLICANT: Wilson, James M. APPLICANT: Fisher, Krishna J. APPLICANT: Gao, Guang-Ping
      NUMBERSEE: HOWSON and Howson STREET: Box 457, 321 No. 6261551ristown Road CITY: Spring House STATE: PA
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                      41 FVDCPDE 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       41 FVDCPDESWAL 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity 100 es 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity 100 les 11; Conservative
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Skeiky, Yasir A.W.
USA
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Pred. No.
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Pred. No. 2.8e-05;
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5. 0.84;
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RESULT 5
US-09-563-869A-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: BAK, MATY E.

REGISTRATION NUMBER: 31,215
REFERENCE/DOCKET NUMBER: GNVP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 540-5818
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 294 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 2, Application US/09563869A Patent No. 6270996 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 45.5%; Substitute 100.0%; Part Local Similarity 100.0%; Matches 5; Conservative 0;
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118 ESWAL 122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/549,489
FILLING DATE: 27-0CT-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 0
FILING DATE: 05-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: PatentIn Rel
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
      COUNTRY: USA
ZIP: 19477
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release 1.0 Version 1.30
CURRENT APPLICATION NUMBER: US/09/563,869A
FILING DATE: 03-May-2000
CLASSIFICATION = CURROWN-
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US/09/3,334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
COMPUTER: IBM PC com
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release 1.0 Version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                Gao, Guang-Ping
TITLE OF INVENTION: Recombinant Adenovirus and Adeno-
Associated Virus, Cell Lines, and
Methods of Production and Use
                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Wilson, James M. Fisher, Krishna J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          amino acid
                                                                                                                                                                                                                                                                        ADDRESSEE: Howson and Howson
STREET: Box 457, 321 No. 6270996ristown Road
CITY: Spring House
STATE: PA
FILING DATE: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     not relevant
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o. 86;
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; MOLECULE TYPE: US-08-549-489-2
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                                                                                                                     REGISTRATION NUMBER: 31,215
REFERENCE/DOCKET NUMBER: GNVP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 540-9206
TELEFAX: (215) 540-818
INFORMATION FOR SEQ ID NO: 2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 2, Application US/08549489 Patent No. 6281010
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
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                                                                                                                                                                                                                                                                                                                                                                              COUNTY 19477
ZIP: 19477
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: IBM PC compatible
TOURTER: IBM PC DOS/MS-DOS
TOURTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: (215) 540-9206
TELEFAX: (215) 540-5818
INFORMATION FOR SEQ ID NO: 2:
                                                                                                                                                                                                                                                                                             FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                       SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                           APPLICATION NUMBER: US 08/462,014 FILING DATE: 08-JUN-1995 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: No. 6281010e1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Wilso APPLICANT: Gao,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           118 ESWAL 122
                                                    STRANDEDNESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: Spring House
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
les 5; Conserv
                                    TOPOLOGY:
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                                                                                    LENGTH:
                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           7 ESWAL 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: protein SEQUENCE DESCRIPTION: SEQ ID NO: 2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: not relevant MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                Bak, Mary E.
                                                                    amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REGISTRATION NUMBER: 31,215
REFERENCE/DOCKET NUMBER: GNVPN012CIPUSA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US 08/549,489 FILING DATE: 27-OCT-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRANDEDNESS: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PΑ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            E: Howson and Howson
Box 457, 321 No. 6281010ristown Road
                                                                                    294 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Wilson, James M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                    not relevant
                   protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Guang-Ping
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                                                                                                                                                                                             GNVPN013
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o. 86;
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RESULT 8
US-09-088-435-1
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                                                                                                                                                          CLONE:
US-09-109-205-1
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Best Local s
Matches 5
                                                                                                        Matches
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                                                                                                                    Query Match
Best Local
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                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OPERATING SYSTEM: Windows
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                    TELECOMMUNICATION INFORMATION: TELEPHONE: 650-855-0555
                                                                                                                                                                                                  IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                  ATTORNEY/AGENT INFORMATION:
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APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
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                                                    136 DCPDE 140
                                                                                                                                                            IJBRARY: LUNC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   118 ESWAL 122
                                                                                                                                                                                                                                                                                                                                           NAME: Cerrone, Michael C
REGISTRATION NUMBER: 39,132
REFERENCE/DOCKET NUMBER: PF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET: 3174 POI
CITY: Palo Alto
                                                                                                                                                                                                                         STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION:
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                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY:
                                                                            3 DCPDE 7
                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                    LENGTH:
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                                                                                                                                                                                                                                         amino acid
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                                                                                                                                                                                                                                                  309 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Guegler, Karl J.
Gorgone, Gina
Corley, Neil C.
                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                        650-855-0572
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                                                                                                                    45.5%;
100.0%;
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s; Pred. No. 86;
0; Mismatches
                                                                                                        0
                                                                                                                    Score 5; Pred. No.
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                                                                                                        Mismatches
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                                                                                                                               Length 309;
                                                                                                        Indels
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Sequence 1, Application US/09088435 Patent No. 6277619

APPLICANT: GUEGLER, APPLICANT: PATTERSO TITLE OF INVENTION:

PATTERSON, GUEGLER, KARL C

CHANDRA

SERINE DEHYDRATASE HOMOLOG

WERAL INFORMATION:

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US-09-088-435-1
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TOPOLOGY: 11...
IMMEDIATE SOURCE:
LIBRARY: THP1AZS'
TONE: 2752518
                                                                                                                                                                                                                                                                             08-875-223-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY_AGENT INFORMATION:
NAME: Cerrone, Michael C
REGISTRATION NUMBER: 39,132
REFERENCE/DOCKET NUMBER: PF-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650.855-0555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INFORMATION FOR SEQ ID NO: 1: SEQUENCE CHARACTERISTICS:
       CORRESPONDENCE ADDRESS:
ADDRESSEE: Rhone-Poulenc Rorer Inc.
STREET: 500 Arcola Road, Mailstop 3C43
                                                                          APPLICANT: VIGNE, Emmanuelle
APPLICANT: PERRICAUDET, Michel
APPLICANT: DEDIEU, Jean-Francois
APPLICANT: ORSINI, Cecile
APPLICANT: YEH, Patrice
APPLICANT: YEH, Patrice
APPLICANT: LATTA, Martine
APPLICANT: BROST, Edouard
APPLICANT: BROST, Edouard
TITLE OF INVENTION: CELLS FOR THE PRODUCTION OF RECOMBINANT
TITLE OF INVENTION: ADENOVIRUSES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: FastSEQ for Windows Version 2.0b CURRENT APPLICATION DATA:
APPLICATION NITHERING
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MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION:
PRIOR APPLICATION NUMBER:
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CITY: Palo Alto
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                                                               NUMBER OF SEQUENCES:
   STREET:
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                                                                                                                                                                                                                                                                                                                                             22 ESWAL 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 325 amino
TYPE: amino acid
STRANDEDNESS: sir
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                                                                                                                                                                                           INFORMATION:
CANT: VIGNE, Emmanuelle
CANT: PERRICAUDET, Michel
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Collegeville
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5127175
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    325 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        650-845-4166
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linear
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NUMBER C.
SOFTWARE: FC
SOFTWARE: FC
LENGTH: 826
"DE: PRT
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (610) 444-3839
TELEPAX: (610) 454-3839
INFORMATION FOR SEO ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 534 amino acids
TYPE: TOTALLOS.
                                                                                                                                                                         OURKEMI FILE. US 60/107,4
PRIOR APPLICATION NUMBER: US 60/107,4
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Tavilgian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simerd, Jacques
APPLICANT: Simerd, Johanna M.
APPLICANT: Myriad Genetics, Inc.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
COURRENT APPLICATION NUMBER: US/09/564,805
CURRENT APPLICATION NUMBER: US/09/564
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION DATA:

BY LING DATE:

OTHER PROPERTY OF THE PROPERTY OF THE PARTY OF THE PART
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APPLICATION NUMBER: FR WO FR96/00088
FILING DATE: 19-CAN-1996
ATTORNEY_AGENT INFORMATION:
NAME: Fehlner Esq., Paul F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 20-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: FR 95/06532
FILING DATE: 01-JUN-1995
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APPLICATION NUMBER: FR 9:
FILING DATE: 20-JAN-1995
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: FR 9:
FILING DATE: 08-SEP-1995
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REGISTRATION NUMBER: 35,13
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                                                                                                                                                   PatentIn Ver. 2.0
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BER: US_60/107,468
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Pred. No. 1.
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ST95005G1-US
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 534;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0;
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; ORGANISM: Homo sapiens US-09-564-805-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; TYPE: PRT ; ORGANISM: Pan troglodytes US-09-564-805-224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-564-805-224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: Pa
SEQ ID NO 224
LENGTH: 826
                                                                   SOFTWARE: Pa
SEQ ID NO 226
LENGTH: 826
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local 9
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Patent No. 6333403
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 226, Application US/09564805 Patent No. 6333403
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
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APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
CURRENT FAPPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR FILING DATE: 1999-11-05
PRIOR FILING DATE: 1999-11-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL
                                                                                                                                                                       PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SED ID NOS: 240
                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Rommens, Johanna M.
APPLICANT: MyTiad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         -09-564-805-226
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
ORGANISM: Gorilla gorilla
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                311 CPDES 315
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        311 CPDES 315
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5; Conservative
                                                                                                                                              Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PatentIn Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Tavtigian, Sean V.
Teng, David H.F.
Simard, Jacques
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Teng, David H.F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Tavtigian, Sean V.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                45,5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 5;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 5; DB Pred. No. 2e. 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
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0;
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Sequence 2. Application US/09134513
Patent No. 6210964
GENERAL INFORMATION:
APPLICANT: Brown, Edward M.
APPLICANT: Brown, Edward M.
APPLICANT: Bai, Mei
APPLICANT: Quinn, Stephen J.
APPLICANT: Quinn, Stephen J.
TITLE OF INVENTION: The Avian Extra TITLE OF INVENTION: Receptor
NUMBER OF SEQUENCES: 2
                                                                                                                                                                                                     Query Match
Best Local Similarity
Thes 5; Conserve
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 13
US-09-134-513-2
                                                                                                                                                       dd
                                                                                  RESULT 14
US-08-633-770A-2
                                                                                                                                                                                                                                                                                         US-09-134-513-2
                            Sequence 2, Application Patent No. 5908760
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                     LENGTH: 1059 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: not relevant
MOLECULE TYPE: protein
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US/09/134
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Sanzo, Michael A.
REGISTRATION NUMBER: 36,912
                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: (202)639-6604
INFORMATION FOR SEQ ID NO: 2:
APPLICANT: APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: BR
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)639-6585
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
ADDRESSEE: Vinson & Elkins L.L.P.
STREET: 1455 Pennsylvania Avenue, N.W.
                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
LENGTH: 1059 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        311 CPDES 315
                                                                                                                                                     565 VDCPD 569
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nes 5; Conserva
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4 CPDES 8
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                                                                 Application US/08633770A
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Bojsen, Kirsten
Yu, Shukun
                                                                                                                                                                                                                      45.5%; Score 5; DB ilarity 100.0%; Pred. No. 2. Conservative 0; Mismatches
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100.0%; Pr
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lo. 2e+02;
                                                                                                                                                                                                                                         DB 4; Le
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APPLICANT:

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INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
SEQUENCE IN 1070 amino acids
TYPE: amino acid
TYPE: amino acid
TYPE: amino acid
TOPOLOGY: Linear
MOLECULE TYPE: protein
US-08-633-770A-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 15
US-08-947-823-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 3, Application US/08947823 Patent No. 6114605
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Best Local :
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                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: Williamson, Valerie M.
APPLICANT: Kaloshian, Isgouhi
APPLICANT: Raghoobi, Jafar
APPLICANT: Bedeau, John
APPLICANT: Milligan, Stephen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Altman, Daniel E
REGISTRATION NUMBER: 34,115
REFERENCE/DOCKET NUMBER: DYOUG.001APC
TELECOMMUNICATION INFORMATION:
TELEPHONE: 714-760-0404
TELEPHONE: 714-760-0502
TELEPAX: 714-760-9502
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: PATENLI, NI-
SOFTWARE: PATENLIA NION DATA:
APPLICATION UMBER: US/08/633,770A
FILING DATE: July 8, 1996
FILING DATE: July 8, 1996
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                           NUMBER OF SEQUENCES: 5

CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7 ESWAL 11 · [] [] [] 586 ESWAL 590
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APPLICANT: MAICUSSEN, Jan
TITLE OF INVENTION: ALPHA-1,4-GLUCAN LYASE FROM A FUNGUS, ITS
TITLE OF INVENTION: PURIFICATION GENE CLONING AND EXPRESSION IN MICROORGANISMS
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIPICATION: 435
PRIOR APPLICATION DATA:
APPLICATION UMBER: PCT/EP94/03398
FILING DATE: OCT-15-1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                              APPLICANT: Milligan, Stephen
TITLE OF INVENTION: Procedures and Materials for Conferring
TITLE OF INVENTION: Pest Resistance in Plants
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        y Match 45.5%; Score 5; DB 2; Length 1070; Local Similarity 100.0%; Pred. No. 2.4e+02; hes 5; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    UTER READABLE FORM:
DIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DIUM TYPE: Diskette
APUTER: IBM Compatible
RATING SYSTEM: DOS
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Дb Qγ

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; TOPOLOGY: linear; MOLECULE TYPE: protein US-08-947-823-3
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REGISTRATION NUMBER: 34,774

REFERENCE/DOCKET NUMBER: 023070-070210US

TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0300
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1255 amino acids
TYPE: amino acid
Search completed: April 16, 2003, 16:38:13 Job time: 2.77668 secs
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FILLING DATE: 09-OCT-1997
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/18802
FILLING DATE: 09-OCT-1997
FRIOR APPLICATION NUMBER: US 60/028,191
APPLICATION NUMBER: US 60/028,191
FILLING DATE: 10-OCT-1996
ATTORNEY/ACENT INFORMATION:
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                                                                                                                                                                                                                                                                                679 PDESW 683
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GenCore version 5.1.4_p5_4578 Copyright (c) 1993 - 2003 Compugen Ltd.

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Minimum DB
Maximum DB
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score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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seq length: 2000000000
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1: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*

2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*

3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*

4: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*

5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*

6: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*

7: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep:*

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9: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*

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11: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*

12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*

13: /cgn2_6/ptodata/1/pubpaa/US00_NEW_PUB.pep:*

14: /cgn2_6/ptodata/1/pubpaa/US00_NEW_PUB.pep:*
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US-09-897-778-405
US-09-850-716A-400
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US-09-897-778-4176
US-09-897-778-176
US-09-897-778-176
US-09-897-778-446
US-09-897-778-446
US-09-897-778-446
US-09-897-778-446
US-09-897-778-427
US-09-897-778-427
US-09-897-778-427
US-09-897-778-427
US-09-897-778-439
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US-10-007-270-17	US-09-280-197-6	US-09-423-126-4	US-09-888-615-108	US-09-988-687-226	US-09-988-687-224	US-09-988-687-2	US-09-988-626-226	US-09-988-626-224	US-09-988-626-2	US-09-147-947-4	US-09-815-242-10864	US-10-007-270-19	US-09-815-242-10981	US-10-260-877-128	US-09-925-299-851	US-09-925-299-851	US-09-815-242-5142	US-10-155-649-2	US-09-803-286A-4	us-09-925-300-1535	US-09-940-836A-9	US-10-007-270-26	US-09-789-561-129	US-09-864-761-37078	US-09-873-637-2
Sequence 17, Appl	•	Sequence 4, Appli	Sequence 108, App	Sequence 226, App	•	ĄĘ	~	Sequence 224, App	Sequence 2, Appli	Sequence 4, Appli	Sequence 10864, A	Sequence 19, Appl	Sequence 10981, A	Sequence 128, App	Sequence 851, App	Sequence 851, App	Sequence 5142, Ap		Sequence 4, Appli	Sequence 1535, Ap	Sequence 9, Appli	Sequence 26, Appl	Sequence 129, App	Sequence 37078, A	Sequence 2, Appli

ALIGNMENTS

US-09-897-778-466

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RESULT 2
US-09-897-778-465
; Sequence 465, Application US/09897778
; Patent No. US20020147143A1
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                          NUMBER OF SEQ ID NOS: 467

SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 466
LENGTH: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                FILE REFERENCE: 210121.455C16
CURRENT APPLICATION NUMBER: US/09/897,778
CURRENT FILING DATE: 2001-06-28
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                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Fanger, Neil
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIACNOSIS OF LUNG CANCER
APPLICANT: Wang,
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                                                                                                                             1 FVDCPDESWAL 11
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1 FVDCPDESWAL 11
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Henderson, Robert A.
Peckham, David W.
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Carter, Darrick
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Tongtong
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Pred. No. 4.2e-07;
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RESULT 4
US-09-850-716A-400
; Sequence 400, Application US/09850716A
; Patent No. US20020115139A1
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US-09-897-778-465
                                                                                                                                                                      Matches
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CURRENT FILING DATE: 2000-12-12
NUMBER OF SEQ ID NOS: 419
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 400
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TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C16
CURRENT APPLICATION NUMBER: US/09/897,778
CURRENT FILLING DATE: 2001-06-28
RUMBER OF SEQ ID NOS: 467
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 465
LENGTH: 18
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APPLICANT: MCNeill, Patricia D.
APPLICANT: Fanger, Neil
TITLE OF INVENTION: COMPOSITION:
TITLE OF INVENTION: AND DIAGNOS
TILE REFERENCE: 210121.455C14
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                                                                                                                                                                                    Similarity
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US20020052329A1
                                                                                                                                                                                                                                                                                                                      FastSEQ for Windows Version 3.0
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Hosken, Nancy
Fanger, Gary R.
Li, Samuel X.
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Henderson, Robert A.
Peckham, David W.
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Fanger, Gary R.
Vedvick, Thomas S.
Vedrick, Darrick
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Conservative 0
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ON: AND DIAGNOSIS OF LUNG CANCER
CONTROL OF LUNG CANCER
CONTROL OF LUNG CANCER
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100.0%; Pred. No. 6.3e-07;
tive 0; Mismatches 0;
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APPLICANT: CALOS, MICHAEL D.
APPLICANT: MACNEIL, PATTICIA D.
APPLICANT: MCNEIL, PATTICIA D.
APPLICANT: MCNEIL, PATTICIA D.
APPLICANT: MCNEIL, PATTICIA D.
APPLICANT: MCNEIL, MAIC M.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LONG CANCER
TITLE APPLICATION NUMBER: US/09/850,716A
CURRENT FALLING DATE: 2001-05-07
NUMBER OF SEQ ID NOS: 440
SOFTWARE: FASTSEQ FOR WINDOWS VERSION 3.0
SEQ ID NO 400
SEQ ID NO 400
LENGTH: 20
TYPE: PAT
ORGANISM: Homo sapiens
                                                                                                                US-09-897-778-457
Sequence 457, Application US/09897778
Patent No. US2020147143A1
GENERAL INFORMATION:
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; ORGANISM: Homo sapiens
US-09-897-778-400
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US-09-897-778-400
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TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C16
CURRENT APPLICATION NUMBER: US/09/897,778
CURRENT FILING DATE: 2001-06-28
NUMBER OF SEQ ID NOS: 467
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 400
LENGTH: 20
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Matches 11; Conserv
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APPLICANT: Wang, Tongtong
APPLICANT: Marnerakis, Margarita
APPLICANT: Fanger, Gary R.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Watanabe, Yoshihiro
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Marnerakis, Margarita
Fanger, Gary R.
Vedvick, Thomas S.
Carter, Darrick
Carter, Darrick
Watanabe, Yoshihiro
Henderson, Robert A.
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100.0%; Pred. No. 6.9e-07;
tive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                          0,
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US-09-735-705-348

; Sequence 348, Application US/09735705

; Patent No. US20020052329A1
                                                  ; GENERAL INFORMATION: APPLICANT: Wang, To
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                                                                                                                                                                                                                                                                                                            ; ORGANISM: Homo sapiens US-09-735-705-176
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; Sequence 176, Application US/09735705

; Patent No. US20020052329A1
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                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/09/735,705
CURRENT FILING DATE: 2000-12-12
NUMBER OF SEQ ID NOS: 419
SOFTWARE: FASTSEQ for Windows Version 3.1
SEQ ID NO 176
                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
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                  APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Fanger, Neil
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C14
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TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C16
CURRENT APPLICATION NUMBER: US/09/897,778
CURRENT FILING DATE: 2001-06-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQ ID NOS: 467
SOFTWARE: FastSEQ for Windows Version 4.0
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TYPE: PRT
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             Wang, Tongtong
Fan, Liqun
Kalos, Michael D.
Bangur, Chaitanya
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Fan, Liqun
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Fanger, Gary R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Hosken, Nancy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Bangur, Chaitanya S.
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                                                                                                                                                                                                                                            100.0%; ilarity 100.0%; Conservative 0
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                                                                                                                                                                                                                                                        Score 11; DB 10;
Pred. No. 1.1e-05;
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Pred. No. 6.9e-07;
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US-09-850-716A-348
; Sequence 348, Application US/09850716A
; Patent No. US20020115139A1
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US-09-850-716A-176
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CURRENT FILING DATE: 2001-05-07
NUMBER OF SEQ ID NOS: 440
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 176
LENGTH: 579
TYPE: PRT
                                                                                                                                                GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
                       APPLICANT: Kalos, Michael D.
APPLICANT: McNeill, Patricia D.
APPLICANT: Retter, Marc W.
APPLICANT: Retter, Marc W.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C15
                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local :
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LENGTH: 579
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               CURRENT APPLICATION NUMBER: US/09/850,716A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Retter, Marc W.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121,455C15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Kalos, Michael D. APPLICANT: McNeill, Patricia D. APPLICANT: Retter, Marc W.
CURRENT FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/09/735,705
CURRENT FILING DATE: 2000-12-12
NUMBER OF SEQ ID NOS: 419
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TITLE OF INVENTION:
FILE REFERENCE: 210
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les 11; Conserv
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Fanger, Gary R.
Li, Samuel X.
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ON: AND DIAGNOSIS OF LUNG CANCER
210121,455C14
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%;
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Pred. No. 1.1e-05;
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thes 0;
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APPLICANT: Watanabe, Yoshihiro
APPLICANT: Henderson, Robert A.
APPLICANT: Peckham, David W.
APPLICANT: Peckham, David W.
APPLICANT: Fanger, Neil
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C16
CURRENT APPLICATION NUMBER: US/09/897,778
CURRENT FILING DATE: 2001-06-28
NUMBER OF SEQ ID NOS: 467
SEQ ID NO 176
SEQ ID NO 176
LENGTH: 579
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                                                                                                                                                                                                                                                                                                                                                                                           RESULT 12
US-09-897-778-348
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                                                                                                                                                                APPLICANT: Wang, Tongtong
APPLICANT: Marnerakis, Margarita
APPLICANT: Fanger, Gary R.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Wattanabe, Yoshihiro
APPLICANT: Handerson, Robert A.
APPLICANT: Handerson, Robert A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 100.0%; Score 11; DB 10; Best Local Similarity 100.0%; Pred. No. 1.1e-05; Matches 11; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 176, Application US/09897778 Patent No. US20020147143A1
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APPLICANT:
APPLICANT:
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SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 348
LENGTH: 579
          APPLICANT: Peckham, David W.
APPLICANT: Franger, Neil
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C16
CURRENT APPLICATION NUMBER: US/09/897,778
CURRENT FILING DATE: 2001-06-28
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Fanger, Gary R.
Vedvick, Thomas S.
Carter, Darrick
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Pred. No. 1
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1.1e-05;
nes 0;
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US-09-897-778-449
                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Henderson, Robert A.
APPLICANT: Peckham, David W.
APPLICANT: Fanger, Neil
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
TILE REFERENCE: 210121.455C16
CURRENT APPLICATION NUMBER: US/09/897,778
CURRENT APPLICATION NUMBER: US/09/897,778
CURRENT FILING DATE: 2001-06-28
NUMBER OF SEQ ID NOS: 467
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                         Sequence 449, Application US/09897778 Patent No. US20020147143A1
                                                                                                                                                                                                                                         APPLICANT: Wang, Tongtong
APPLICANT: Marnerakis, Margarita
APPLICANT: Fanger, Gary R.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Carter, Darrick
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41 FVDCPDESWAL 51
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APPLICANT: Fanger, Gary R.

APPLICANT: Fanger, Gary R.

APPLICANT: Vedvick, Thomas S.

APPLICANT: Wedvick, Thomas S.

APPLICANT: Wetanabe, Yoshihiro

APPLICANT: Watanabe, Yoshihiro

APPLICANT: Henderson, Robert A.

APPLICANT: Peckham, David W.

APPLICANT: Peckham, David W.

APPLICANT: Panger, Neil

APPLICANT: Fanger, Neil

CHARLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

FILE REFERNCE: 210121.455C16

CURRENT APPLICATION NUMBER: US/09/897,778

CURRENT FILIG DATE: 2001-06-28

NUMBER OF SEQ ID NOS: 467

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 446

SEQ ID NO 446

LENGTH: 579
                                                                         ; LENGTH: 579
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-897-778-446
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 348 LENGTH: 579
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 446, Application US/09897778 Patent No. US20020147143A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 100
Best Local Similarity 100
Matches 11; Conservative
Query Match 100
Best Local Similarity 100
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      41 FVDCPDESWAL 51
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Tongtong
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%;
                    100.0%; Score 11;
100.0%; Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0;
    0;
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Pred. No. 1.1e-05;
); Mismatches 0;
    Mismatches
                    DB 10;
1.1e-05;
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                                     Length 579;
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    0;
    Gaps
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    0;
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LENGTH: 579

CHANNISM: Homo sepiens
US-09-897-778-449

CORETY MALTA
CORRESTITY
CORRESTITY
CONSERVATION
Best Local Similarity 100.0%; Score 11; DB 10; Length 579;
Best Local Similarity 100.0%; Pred. No. 1.1e-05;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FYDCCPDESWAL 51

RESULT 15
US-09-850-716A-427

Sequence 427, Application US/09850716A
COMMISM. LAROSANTON: SALOS, Michael D. APPLICANT: MARCAL MARTICIA D. AND DIAGNOSIS OF LING CANCER

CURRENT FILE OF INVENTION 1.00 COMPOSITIONS AND METHODS FOR THE THERAPY

ITIES OF INVENTION 1.00 COMPOSITIONS AND METHODS FOR THE THERAPY

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4400, App
26 400, App
26 457, App
27 4446, App
28 4446, App
28 4446, App
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29 4446, App
20 4446, Ap

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Result
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Perfect score:
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Maximum DB seq length: 2000000000
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                                                                                                             Score
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Match
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1 FVDCPDESWAL 11
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(/cgn2_6/ptodata/1/paa/US082_COMB.pep: *
(/cgn2_6/ptodata/1/paa/US083_COMB.pep: *
(/cgn2_6/ptodata/1/paa/US084_COMB.pep: *
(/cgn2_6/ptodata/1/paa/US084_COMB.pep: *
(/cgn2_6/ptodata/1/paa/US085_COMB.pep: *
(/cgn2_6/ptodata/1/paa/US086_COMB.pep: *
(/cgn2_6/ptodata/1/paa/US089_COMB.pep: *
(/cgn2_6/ptodata/1/paa/US089_COMB.pep: *
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(/cgn2_6/ptodata/1/paa/US09_COMB.pep: *
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/cgn2_6/ptodata/1/paa/US06_COMB.pep:*
/cgn2_6/ptodata/1/paa/US07_COMB.pep:*
/cgn2_6/ptodata/1/paa/US080_COMB.pep:*
                                                                                                            Length
 PCT-US01-47576-466
2 US-09-897-778-466
4 US-10-007-700-466
5 US-10-117-982-466
PCT-US01-47576-465
2 US-09-897-778-465
                                                                                             ID
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Sequence 466, App
Sequence 466, App
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Sequence 465, App
Sequence 465, App
Sequence 465, App
                                                                                                  Description
                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 1
PCT-US01-47576-466
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APPLICANT:
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APPLICANT:
APPLICANT:
                                                                                                                                                                                                                 APPLICANT:
APPLICANT:
APPLICANT:
              APPLICANT: Cai, Feng
APPLICANT: Foy, Teresa M.
APPLICANT: Foy, Teresa M.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121. 455039C
CURRENT APPLICATION NUMBER: PCT/US01/47576
CURRENT FILING DATE: 2001-11-30
NUMBER OF SEQ ID NOS: 469
                                                                                                                                                                                                                                                                                                                          APPLICANT: Corixa Corporation APPLICANT: Wang, Tongtong APPLICANT: Wang, Aijun APPLICANT: Skeiky, Yasir A.W
                                                                                                                                                                                                      APPLICANT:
                                                                                                                                                                                                                                                                                                             APPLICANT:
    SOFTWARE: FastSEQ for Windows Version 4.0
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Durham, Margarita
Ranger, Gary R.
Vedvick, Thomas S.
Carter, Darrick
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Kalos, Michael D.
Henderson, Robert A.
Henderson, Patricia D.
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Peckman, David W.
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95 US-10-117-982-467
1 US-9-850-716A-400
10S-9-850-716A-400
2 US-9-850-716A-400
2 US-9-850-716A-400
2 US-9-897-778-457
1 US-10-007-700-400
2 US-9-897-778-457
1 US-10-117-982-457
2 US-10-117-982-457
2 US-10-117-982-457
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2 US-10-117-982-457
3 US-10-117-982-457
4 US-10-117-982-457
5 US-10-117-982-457
5 US-10-117-982-457
6 US-9-46-396A-176
8 US-9-46-396A-176
9 US-9-510-376A-176
9 US-9-542-615A-176
9 US-9-506-421A-348
0 US-9-666-421A-348
0 US-9-630-940A-348
0 US-9-630-940A-348
0 US-9-630-940B-348
0 US-9-662-786-176
0 US-9-662-786-176
0 US-9-662-786-176
0 US-9-662-786-348
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Sequence 457, Ap
Sequence 400, Ap
Sequence 400, Ap
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Sequence 457, Ap
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RESULT 3
US-10-007-700-466
US-10-007-700-466, Ap
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; ORGANISM: Homo sapiens
US-09-897-778-466
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; ORGANISM: Homo sapiens
PCT-US01-47576-466
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GENERAL INFORMATION
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Best Local Similarity 100.
Matches 11; Conservative
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LENGTH: 11
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Best Local S
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APPLICANT: Henderson, Robert A.
APPLICANT: Peckham, David W.
APPLICANT: Peckham, David W.
APPLICANT: Peckham, David W.
APPLICANT: Fanger, Neil
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
TILLE REPERBACE: 210121 455C16
CURRENT APPLICATION NUMBER: US/09/897,778
CURRENT FILLING DATE: 2001-06-28
NUMBER OF SED ID NOS: 467
SOFTWARE: PastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
                                  APPLICANT:
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                                                  APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ch 100.0%; Score 11; DB 22; l Similarity 100.0%; Pred. No. 8.9e-06; l1; Conservative 0; Mismatches 0;
                                                                                              Durham, Margarita
Fanger, Gary R.
Vedvick, Thomas S.
Carter, Darrick
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Fanger, Gary R.
Vedvick, Thomas
Carter, Darrick
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Henderson, Robert A.
McNeill, Patricia D.
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Li, Samual
                                                                Watanabe, Yoshihi
Peckman, David W.
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                                                                                                                                                                                                                                                                  Yasir A.W.
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                                                                                  Yoshihiro
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Pred. No. 8.9e-06;
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RESULT 5

Sequence 465, Application PC/TUS0147576

SEQUENCE 465, Application PC/TUS0147576

GENERAL INFORMATION:
APPLICANT: CORIXA COPPORATION
APPLICANT: Wang, Tongtong
APPLICANT: Wang, Aijun
APPLICANT: Wang, Aijun
APPLICANT: Kaios, Michael D.
APPLICANT: Kaios, Michael D.
APPLICANT: Henderson, Robert A.
APPLICANT: Henderson, Robert A.
APPLICANT: Henderson, Robert A.
APPLICANT: Fanger, Marc W.
APPLICANT: Particla D.
APPLICANT: Retter, Marc W.
APPLICANT: Retter, Marc W.
APPLICANT: Retter, Marc W.
APPLICANT: Fanger, Gary R.
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CURRENT APPLICATION NUMBER: US/10/007,700
CURRENT PILING DAYE: 2001-11-30
NUMBER OF SEQ ID NOS: 469
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 466
LENGTH: 11
TYPE: PRT
CORGANISM: Homo sapiens
US-10-007-700-466
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Wang, Tongtong
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C18
CURRENT APPLICATION NUMBER: US/10/117,982
CURRENT FILING DATE: 2002-04-05
NUMBER OF SEQ ID NOS 4848
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 466
LEGGTH: 11
TYPE: PRT
ORGANIZM: Homo sapiens
US-10-117-982-466
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US-10-117-982-466
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Best Local Similarity 100.
The Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local
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APPLICANT: Fanger, Gary R.
APPLICANT: VedVick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Henderson, Robert A.
APPLICANT: Henderson, Robert A.
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11; Conserv
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Mericle, Barbara
Spies, Gregory A.
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ilarity 100.0%;
Conservative (
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Pred. No.
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Pred. No. 8.9e-06;
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8.9e-06;
es 0;
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CURRENT APPLICATION NUMBER: US/09/897,778
CURRENT FILING DATE: 2001-06-28
NUMBER OF SEQ ID NOS: 467
SOFTWARE: FRASTSEQ for Windows Version 4.0
SEQ ID NO 465
LENGTH: 18
TYPE: PRT
ORGANISM: Homo Sapiens
US-09-897-778-465
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                                                                                                                            RESULT 7
US-10-007-700-465
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Best Local Similarity
Watches 11; Conserv?
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CURRENT FILING DATE: 2001-11-30
NUMBER OF SEQ ID NOS: 469
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 465
LENGTH: 18
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Best Local Similarity
Matches 11; Conserv
                                                                                              Sequence 465, Application US/10007700 GENERAL INFORMATION:
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APPLICANT:
APPLICANT:
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APPLICANT: Foy, Teresa M.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.45503PC
                              APPLICANT: Wang, Tongtong APPLICANT: Wang, Aijun APPLICANT: Skeiky, Yasir APPLICANT: Li, Samual X.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER FILE REFERENCE: 210121.455C16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                              5 FYDCPDESWAL 15
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Carter, Darrick
                                              Wang, Aijun
Skeiky, Yasir A.W
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Henderson, Robert A.
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Kalos, Michael D.
Henderson, Robert A.
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Pred. No.
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Pred. No. 1
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CURRENT APPLICATION NUMBER: US/10/007,700
CURRENT FILING DATE: 2001-11-30
NUMBER OF SEQ ID NOS: 469
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 465
LENGTH: 18
TYPE: PRT
GRGANISM: Homo sapiens
US-10-007-700-465
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US-10-117-982-465
RESULT 9
PCT-US01-47576-400
; Sequence 400, Application PC/TUS0147576
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TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C18
CURRENT APPLICATION NUMBER: US/10/117,982
CURRENT FILING DATE: 2002-04-05
NUMBER OF SEQ ID NOS: 484
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 465
LENGTH: 18
TYPE: PRT
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Best Local Similarity 100.0%; Pred. No. 1.3e-05;
Matches 11; Conservative 0; Mismatches 0;
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APPLICANT:
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TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C17
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APPLICANT: Fanger, Gary
APPLICANT: Vedvick, Thom
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Henderson, Robert A.
Kalos, Michael D.
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Vedvick, Thomas S.
Carter, Darrick
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Carter, Darrick
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Pred. No. 1.3e-05;
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APPLICANT: Durham, APPLICANT: Panger, Gary R.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Peckman, David W.
APPLICANT: Cai, Feng
APPLICANT: Foy, Teresa M.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.45503PC
CURRENT APPLICATION NUMBER: PCT/US01/47576
CURRENT FILING DATE: 2001-11-30
NUMBER OF SEG ID NOS: 469
NUMBER OF SEG ID NOS: 469
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TYPE: PRT; ORGANISM: Homo sapiens PCT-US01-47576-400
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TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.45503PC
CURRENT APPLICATION UNMBER: PCT_US01/47576
CURRENT FILING DATE: 2001-11-30
NUMBER OF SEQ ID NOS: 469
SOCTWARE FastSPQ for Windows Version 4.0
TYPE: Dor"
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Best Local :
                          NUMBER OF SEQ ID NOS: 469
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 457
LENGTH: 20
TYPE: PRT
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Local Similarity 100.0%; Pred. No. 1.5e-0
nes 11; Conservative 0; Mismatches
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e 457, Ap
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Retter Marc W.

Durham Margarita

Panger Gary R.

Vedvick Thomas S.

Carter Darrick

Watanabe, Yoshihiro

Peckman, David W.
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Fanger, Gary R.
Vedvick, Thomas S.
Carter, Darrick
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Henderson, Robert A.
McNeill, Patricia D.
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          APPLICANT: LI, CARPICANT APPLICANT: Wang, AIJIN
APPLICANT: Wang, Yasir A.W.
APPLICANT: Henderson, Robert A.
APPLICANT: Henderson, Robert A.
APPLICANT: MCNeill, Patricia D.
APPLICANT: Retter, Wair
I APPLICANT: Retter, Warc W.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455015
CURRENT APPLICATION UNMBER: US/09/850,716
TITLEOF INVENTIONE 2001-05-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-735-705-400
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US-09-850-716-400
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; SOFTWARE: FastSEC
; SEQ ID NO 400
; LENGTH: 20
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US-09-735-705-400
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Best Local S
Matches 11
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Best Local Similarity
Matches 11; Conserv
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APPLICANT:
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APPLICANT:
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APPLICANT: Henderson, Robert A.
APPLICANT: Meneill, Patricia D.
APPLICANT: Fanger, Neil
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C14
CURRENT APPLICATION NUMBER: US/09/735,705
CURRENT FILING DATE: 2000-12-12
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APPLICANT:
APPLICANT:
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2 FVDCPDESWAL 12
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Hosken, Nancy
Fanger, Gary R.
Li, Samuel X.
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FastSEQ for Windows Version 3.0
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Skeiky, Yasi
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Hosken, Nancy
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Bangur, Chaitanya S.
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Kalos, Michael D.
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; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 400
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-850-716A-400
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                                            ; ORGANISM: Homo sapiens US-09-897-778-400
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Best Local S
Matches 11
                                                                             CURRENT APPLICATION NUMBER: US/09/897,778
CURRENT FILING DATE: 2001-06-28
NUMBER OF SEO ID NOS: 467
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 400
LENGTH: 20
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 400, Application US/09897778 GENERAL INFORMATION:
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Retter, Marc W.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C15
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                                                                                                                                                                                                            APPLICANT: Fanger, Neil
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
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                                                                                                                                                                                                 FILE REFERENCE: 210121.455C16
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TYPE: PRT
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Henderson, Robert A.
Peckham, David W.
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Pred. No. 1.5e-05;
Pred. No. 1.5e-05;
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Pred. No. 1.5e-05;
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Score 11; DB 22; Pred. No. 1.5e-05;
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Search completed: April 16, 2003, 16:45:13 Job time: 8.45977 secs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 15
                                                                                                         Query Match
Best Local Similarity
Matches 11; Conserv
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CURRENT FILING DATE: 2001-06-28
NUMBER OF SEO ID NOS: 467
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 457
LENGTH: 20
TYPE: PRT
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                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER FILE REFERENCE: 210121.455C16
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APPLICANT:
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Henderson, Robert A.
Peckham, David W.
Fanger, Neil
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1: /cgn2_6/ptodata/1/paa/US06_NEW_COMB.pep:*

2: /cgn2_6/ptodata/1/paa/US06_NEW_COMB.pep:*

3: /cgn2_6/ptodata/1/paa/US07_NEW_COMB.pep:*

4: /cgn2_6/ptodata/1/paa/US08_NEW_COMB.pep:*

5: /cgn2_6/ptodata/1/paa/US08_NEW_COMB.pep:*

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Gapop 60.0 , Gapext 60
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        6 US-10-313-986-466

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6 US-10-313-986-482

5 US-09-724-676-29217

5 US-09-724-676-92916

5 US-09-724-676-92916

5 US-09-724-676-92918

5 US-09-724-676-92918

6 US-10-313-986-176

6 US-10-313-986-178

6 US-10-313-986-448

6 US-10-313-986-448

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sequence 465, App sequence 400, App sequence 508, App sequence 508, App sequence 92917, App sequence 92916, A sequence 92916, A sequence 92918, A sequence 92918, A sequence 92918, A sequence 176, App sequence 440, App sequence 440, App sequence 480, App sequence 480, App sequence 480, App sequence 480, App sequence 481, App sequence 480, App sequence 390, App sequence 390, App sequence 390, App sequence 507, App sequence 507, App sequence 507, App sequence 48618, A
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US-09-724-676-48618 US-09-724-676-48816 US-09-724-676-48821 US-09-724-676-48619	ب	6	Ŋ	۲	6	σ	ú	σ	σı	S	S	υī	U	ű	Ŋ	Ŋ	σ	თ	+
	PCT-US02-32727-19712	US-10-057-498-4014	US-09-978-825-4014	PCT-US02-32727-4014	US-10-366-683-20948	US-10-203-138A-14189	US-09-864-408A-5254	US-10-282-122A-51701	US-09-724-676A-48620	US-09-724-676A-48619	US-09-724-676-48620	US-09-724-676-48619	US-09-724-676A-48621	US-09-724-676A-48616	-09	US-09-724-676-48616	US-10-313-986-500	US-09-724-676A-48618	00 00
	19712, A	4014, Ap	4014, Ap	4014, Ap	20948, 4	14189, A	5254, Ap	51701, A	48620, A	48619, A	48620, A	48619, 2	48621, A	48616, A	48621, A	48616, A	500, App	48618, A	

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RESULT 1

STATE OF THE REPRESENCE 1010 105/10313986

SEQUENCE AGE, APPLICANT PORTOR SEA M.
APPLICANT PORTOR SEA M.
APPLICANT NO. AND DIGNOSIS OF LUNG CANCER
FILE PRINCE 101014 ASCL)
CUREET APPLICATION NUMBER: US/10/313,986

CUREET APPLICANT NO. AND DIGNOSIS OF LUNG CANCER
FILE PASESENCE 101014 ASCL)
CUREET APPLICANT NO. AND LOAS.
SOCTIMATE PASESENCE 100.00; SCORE 11: DB 6; Length 11:
TYPE: PRINCE TO THE SEA M.
APPLICANT SEA M.
APPLICANT MCNAD'S AND METHODS FOR THE THERAPY
TITLE OF INVENTION. AND DIGNOSIS OF LUNG CANCER

FILE REPRESENCE: 2010121 45C19
CUREET APPLICANT NO. COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION. AND DIGNOSIS OF LUNG CANCER
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GENERAL INFORMATION:

APPLICANT: POY, Teresa M.
APPLICANT: NON-BADE, AND METHOD

APPLICANT: MALANDE, YOSHILIO

APPLICANT: MALANDE, YOSHILIO

APPLICANT: MALANDE, YOSHILIO

APPLICANT: MALANDE, YOSHILIO

APPLICANT: MARIANDE, YOSHILIO

APPLICANT: MARIANDE, YOSHILIO

FILE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF LUNG: CANCER

FILE REFERENCE: 21011.455C19

CUBRENT APPLICATION NUMBER: US/10/313,986

CUBRENT FILING DATE: 2002-12-04

NUMBER OF ESQ ID NOS: 560

SOPTMARE: FRASSEQ FOR WINDOWS Version 4.0

LENGTH: 20

TYPE: PRI

ORGANISM: "
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                                                                                                                                                                                                                                                                                                     ORGANISM: Homo sapiens
US-10-313-986-457
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US-10-313-986-400
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; ORGANISM: Homo sapiens
US-10-313-986-400
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CURRENT ENTIRE OF SECURITION NUMBER: US/10/313,986
UMBER OF SEO ID NOS: 560
UMBER OF SEO ID NOS: 560
SEO TONES: FastSEO for Windows Version 4.0
SEO TONES: TASTSEO FOR WINDOWS VERSION 4.0
SEO TONES: TASTSEO FOR WINDOWS VERSION 4.0
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Best Local Similarity 100.0%; Pred. No. 2.4e-07;
Matches 11; Conservative 0; Mismatches 0;
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Best Local Similarity 100.0%; Pred. No. 2.4e-07;
Matches 11; Conservative 0; Mismatches 0;
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Query Match
100.0%; Score 11; DB 6;
Best Local Similarity 100.0%; Pred. No. 2.2e-07
Matches 11; Conservative 0; Mismatches 0
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(L INFORMATION:
CANT: FOy, Teresa M.
TANT: MCHADD, And
NAMT: MCHADD,
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McNabb, Andria
McNabb, Andria
Watanabe, Yoshihiro
Reed, Steven G.
Wang, Tongtong
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Best Local
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RESULT 3 966-508

GREENAL INFORMATION:
GREENAL INFORMATION:
APPLICANT: FORY Teresa M.
APPLICANT: FORY Teresa M.
APPLICANT: FORY Teresa M.
APPLICANT: FORY TERESON THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
TITLE OF INVENTION: COMPOSITION AND METHODS FOR THE THERAPY
TITLE OF INVENTION: COMPOSITION AND METHODS FOR THE THERAPY
TITLE COCAL SIMILARITY 100.0%, SCOTE 11. DB 6. Length 20.
BESEL LOCAL SIMILARITY 100.0%, Pred No. 2 4e-07,
HAICHART 107 LENGTH 11 11
DB 2 FVOCPDESMAL 12

RESULT 6 66 482
INVENTION COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE DE INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
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RESULT 10
US-09-724-676A-92916
Sequence 92916, Application US/09724676A
; GENERAL INFORMATION:
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US-09-724-676A-92917
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US-09-724-676-92916
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US-09-724-676A-92917
                                                                                                                                                                                                                                                                      Sequence 92916, Application US/09724676
GENERAL INFORMATION:
APPLICANT: Compugen LTD
TITLE OF INVENTION: Variants of alternative splicing
TILE REFERENCE: 129181.4 Compugen
CURRENT APPLICATION NUMBER: US/09/724,676
CURRENT FILING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 97222
SOFTWARE: PatentIn version 3.2
SEQ ID NO 92216
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/09/724,676A
CURRENT FILING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 97222
SOFTWARE: PatentIn version 3.2
SEQ ID NO 92917
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SOFTWARE: PatentIn version:
SEQ ID NO 92917
LENGTH: 134
TYPE: PRT
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Best Local
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Best Local (
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Best Local :
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TITLE OF INVENTION: Variants of a
FILE REFERENCE: 120181.4 Compugen
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TYPE: PRT
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Local Similarity 100.0%;
hes 11; Conservative (
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41 FVDCPDESWAL 51
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hes 11; Conservative
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Pred. No. 1.3e-06;
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Pred. No.
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Pred. No.
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Sequence 92918, Application US/09724676A
GENERAL INFORMATION:
APPLICANT: Compugen LTD
TITLE OF INVENTION: Variants of alternative sp
FILE REFERENCE: 129181.4 Compugen
CURRENT APPLICATION NUMBER: US/09/724,676A
CURRENT FILING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 97222
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
TYPE: PRT
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US-09-724-676A-92916
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US-09-724-676-92918
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                                                                                                                                       ; ORGANISM: Homo sapiens
US-09-724-676A-92918
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US-09-724-676A-92918
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TITLE OF INVENTION: Variants of alternative splicing
FILE REFERENCE: 129181.4 Compugen
CURRENT APPLICATION NUMBER: US/09/724,676
CURRENT FILING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 97222
SOFTWARE: PatentIn version 3.2
SEQ ID NO 92918
LENGTH: 558
TYPE: PRT
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TITLE OF INVENTION: Variants of alternative splicing
FILE REFERENCE: 129181.4 Compugen
CURRENT APPLICATION NUMBER: US/09/724,676A
CURRENT FILING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 97222
SOFTWARE: PatentIn version 3.2
SEQ ID NO 92916
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Best Local (
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TYPE: PRT
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41 FVDCPDESWAL
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                                                           milarity 100.0%; : Conservative 0;
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Pred. No. 4.4e-06;
                                                                                   Score 11;
Pred. No.
                                                                    Mismatches
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                                                                                   4.4e-06;
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Sequence 176, Applic GENERAL INFORMATION:

Application US/10313986

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RESULT 14

US-10-313-986-348

Sequence 348, Application US/10313986

Sequence 348, Application US/10313986

Sequence 348, Applicant Foy, Teresa M.

APPLICANT: McNabb, Andria

APPLICANT: Watanabe, Yoshihiro

APPLICANT: Watanabe, Yoshihiro

APPLICANT: Wang, Tongtong

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

FILE REFERENCE: 210121.455C19

CURRENT APPLICATION NUMBER: US/10/313,986

CURRENT FILING DATE: 2002-12-04

NUMBER OF SEQ ID NOS: 560

SOPTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 348

LENGTH: 579

TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: NOW, Teresa M.
APPLICANT: MCNADE, Andria
APPLICANT: Matanabe, Yoshihiro
APPLICANT: Reed, Steven G.
APPLICANT: Reed, Steven G.
APPLICANT: Wang, Tongtong
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C19
CURRENT APPLICATION NUMBER: US/10/313,986
CURRENT FILIG DATE: 2022-12-04
NUMBER OF SEQ ID NOS: 560
SOTWARE: FRATSEQ FOR Windows Version 4.0
SEQ ID NO 176
SEQ ID NO 176
LENGTH: 579
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                               RESULT 15
US-10-313-986-446

Sequence 446, Application US/10313986
GENERAL INFORMATION:
APPLICANT: FOY, Teresa M.
APPLICANT: MCNabb, Andria
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                                                                                                                                                                                                                                                                                                                                                                                  Query Match 100.0%; Score 11; DB 6; Best Local Similarity 100.0%; Pred. No. 4.5e-06; Matches 11; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                        41 FVDCPDESWAL 51
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CANT: McNabb, Andria
CANT: Watanabe, Yoshihiro
CANT: Watanabe, Yoshihiro
CANT: Reed, Steven G.
CANT: Wang, Tongtong
OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 579;
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; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER FILE REFERENCE: 210121.455C19
; CURRENT APPLICATION NUMBER: US/10/313,986
; CURRENT FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 560
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 446
; LENGTH: 579
; LENGTH: 579
; ORGANISM: Homo Sapiens
US-10-313-986-446
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                                 QΥ
                                                                             Query Match 100.0%; Score 11; DB 6;
Best Local Similarity 100.0%; Pred. No. 4.5e-06
Matches 11; Conservative 0; Mismatches
41 FVDCPDESWAL 51
                                    1 FVDCPDESWAL 11
                                                                                                     ,5e-06;
                                                                                                                    Length 579;
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Search completed: April 16, 2003, 16:47:26 Job time: 3.27586 secs

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Perfect score:
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length: 2000000000
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                       Match
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pir4:*
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               T35632
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C81877
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C72726
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probable DNA-bindi
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IAA1 protein - Ara
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ALIGNMENTS

C;Accession: G97116

R;Nolling, J.; Breton, G.; Omelchenko, M.V.; Markarova, K.S.; Zeng, Q.; Gibson, R.; I Baly, M.J.; Bennett, G.N.; Koonin, E.V.; Smith, D.R.

; Daly, M.J.; Bennett, G.N.; Koonin, E.V.; Smith, D.R.

J. Bacteriol. 183, 4823-4838, 2001

A;Title: Genome Sequence and Comparative Analysis of the Solvent-Producing Bacterium A;Reference number: A96900; MUID:21359325; PMID:21359325

A;Accession: G97116 RESULT G97116 ; Karp, P.; Romero, P.; Zhang, S. Science 294, 2317-2323, 2001
A; Authors: Yoo, H.; Tao, Y.; Biddle, P.; Jung, M.; K ster, E.W.
A; Title: The Genome of the Natural Genetic Engineer A; Reference number: AB2577; PMID:11743193
A; Accession: A12709
A; Status: preliminary probable nucleic acid binding protein, containing KH domain [imported] - Clostridium C;Species: Clostridium acetobutylicum C;Date: 14-Sep-2001 #sequence_revision 14-Sep-2001 #text_change 17-May-2002 C;Accession: G97116 branched-chain amino acid permease Atu1082 [imported] - Agrobacterium tumefaciens
C;Species: Agrobacterium tumefaciens
C;Date: 11-Jan-2002 #sequence_revision 11-Jan-2002 #text_change 01-Mar-2002
C;Accession: A12709 R; Wood, D.W.; Setubal, J.C.; Kaul, erage, G.; Gillet, W.; Grant, C.; В ρy A;Gene: CAC1756 C;Superfamily: Bacillus conserved hypothetical protein ylqC C; Genetics: A;Cross-references: GB:AE001437; PIDN:AAK79722.1; A;Experimental source: Clostridium acetobutylicum A; Cross-references: GB:AE008688; FA; Experimental source: strain C58 A; Molecule type: DNA A; Residues: 1-234 <KUR> AI2709 A; Molecule type: DNA A; Residues: 1-75 < KUR> A; Status: preliminary C; Genetics: Matches Best Local Query Match 13 2 VDCPDE 7 VDCPDE 18 Similarity Conservative 54.5%; Score 6; 100.0%; PIDN:AAL42095.1; PID:g17739477; GSPDB:GN00186 0; , R.; Monks, D.; Chen, L.; Wood, G.E.; Chen, Guenthner, D.; Kutyavin, T.; Levy, R.; Li, I (Dupont) Pred. Mismatches No. . DB M.; Krespan, 2; PID:g15024725; GSPDB:GN00168 ATCC824 Length 75; 0; Agrobacterium Indels Σ Perry, M.; Gordon-Kam 0, tumefaciens C58 Gaps X.; 0; MCC1 (st

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RESULT 5
G84335
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A;Experimental source: strain C329.4
C;Superfamily: Bacillus cytochrome P450 CYP106; cytochrome P450 F;146-282/Domain: cytochrome P450 homology <P45>
hypothetical protein Vng1845c [imported] - Halobacterium
                                                                                                                     Ъ
                                                                                                                                                                                                                                                                                                                                                                                                   probable hydroxylase d [imported] - Amycolatopsis orientalis (fragment) C; Species: Amycolatopsis orientalis C; Date: 21-Jan-2000 #sequence_revision 21-Jan-2000 #text_change 16-Feb-2001 C; Accession: T44857

R; Solenberg, P. J. Matsushima, P.; Stack, D.R.; Wilkie, S.C.; Thompson, R.C.; Baltz, R.H submitted to the EMBL Data Library, January 1997

A; Description: Production of hybrid glycopeptide antibiotics in vitro and in Streptomyce A; Reference number: 22861

A; Rocession: T44857
                                                                                                                                                                                                                                                                                                                                         A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-310 <SOL>
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A;Title: Genome Sequence of the Plant Pathogen and Biotechnology Agent Agrobacterium tun A;Reference number: A97359; PMID:11743194
A;Accession: B97492
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C; Superfamily: |
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A;Molecule type: DNA
A;Residues: 1-234 <KUR>
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Pred. No.
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o. 3.1;
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cytochrome P450 hydroxylase homolog PCZA361.27 - Amycolatopsis orientalis (fragment)
N;Alternate names: PCZA361.27
C:Species: Amycolatopsis orientalis:
C;Date: 21-Jan-2000 #sequence_revision 21-Jan-2000 #text_change 16-Feb-2001
C;Accession: T30601
R;Van Wageningen, A.; Kirkpatrick, P.; Williams, D.; Harris, B.; Kershaw, J.; Lennard
Chem. Biol. 3, 155-162, 1998
A;Title: Sequencing and analysis of genes involved in the biosynthesis of a vancomyci
A;Heference number: 218804
A;Hesidues: T30601
A;Accession: T30601
A;Accession
                                                                                                                                                                                                                         C;Accession: G84246
R;Ng, W.V.; Kennedy, S.P.; Mahairas, G.G.; Berquist, B.; Pan, M.; Shukla, H.D.;
Leithauser, B.; Keller, K.; Cruz, R.; Danson, M.J.; Hough, D.W.; Maddocks, D.G.
Jung, K.H.; Alam, M.; Freitas, T.
Proc. Natl. Acad. Sci. U.S.A. 97, 12176-12181, 2000
A;Authors: Hou, S.; Daniels, C.J.; Dennis, P.P.; Omer, A.D.; Ebhardt, H.; Lowe, A;Tittle: Genome sequence of Halobacterium species NRC-1.
A;Reference number: A84160; MUID:20504483; PMID:11016950
A;Accession: G84246
A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-460 <STO>
A;Cross-references: GB:AE004437; NID:910580465; PIDN:AAG19339.1; GSPDB:GN00138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  phosphomannomutase [imported] - Halobacterium sp. NRC-1
C:Species: Halobacterium sp. NRC-1
C:Date: 02-Feb-2001 #sequence_revision 02-Feb-2001 #text_change 16-Feb-2001
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C:Date: 02-Feb-2001 #sequence_revision 02-Feb-2001 #text_change 02-Feb-2001
C:Accession: G84335
R:N9, W.V.; Kennedy, S.P.; Mahairas, G.G.; Berguist, B.; Pan, M.; Shukla, H.D.; Lasky Leithauser, B.; Keller, K.; Cruz, R.; Danson, M.J.; Hough, D.W.; Maddocks, D.G.; Ja Proc. Natl. Acad. Sci. U.S.A. 97, 12176-12181, 2000
A:Authors: Hou, S.; Daniels, C.J.; Dennis, P.P.; Omer, A.D.; Ebhardt, H.; Lowe, T.M.; A:Title: Genome sequence of Halobacterium species NRC-1.
A:Reference number: A84160; MUID:20504483; PMID:11016950
A:Accession: (84335
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A; Residues: 1-313 <STO>
A; Cross-references: GB: AE004437;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Similarity 100 6; Conservative
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Nakazaki, N.; Shimpo, S.; Sugimoto, M.; Takazawa, M.; Yamada, M.; Yas DNA Res. 8, 205-213, 2001

A;Title: Complete Genomic Sequence of the Filamentous Nitrogen-fixing A;Reference number: AB1807; MUID:21595285; PMID:11759840

A;Accession: AH2121
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                                                                                                                                                                                       A; Experimental source: C; Genetics:
                                                                                                                                                                          A; Gene:
                                                                                                                                                                                                                                                                                                                                                                             C;Species: Nostoc sp. strain PCC 7120 is a synonym of Anabaena sp. C;Date: 14-Dec-2001 #sequence_revision 14-Dec-2001 #text_change C;Accession: AH2121
                                                                                                                                                                                                     A;Cross-references: GB:BA000019; PIDN:BAB74226.1; A;Experimental source: strain PCC 7120
                                                                                                                                                                                                                                     A; Molecule type: DNA
A; Residues: 1-101 <KUR>
                                                                                                                                                                                                                                                                                                                                                                                                                                  hypothetical protein alr2527 [imported] - Nostoc sp. C; Species: Nostoc sp.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       hypothetical protein CC0189 [imported] - Caulobacter crescentus c;Species: caulobacter crescentus c;Decies: caulobacter crescentus c;Date: 20-Apr-2001 #sequence_revision 20-Apr-2001 #text_change 20-Apr-2001 C;Accession: D87272
RESULT 10
                                                                                                                                                                                                                                                                      A;Status: preliminary
                                                                                                                                                                                                                                                                                                                                                                R;Kaneko, T.; Nakamura,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A;Cross-references: GB:AE005673; NID:g13421310; PIDN:AAK22176.1; C;Genetics:
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A; Residues: 1-88 <STO>
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A;Tille: Complete Genome Sequence of Caulobacter crescentus.
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A;Gene: pmu2
C;Superfamily: phosphomannomutase
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                                                                                                           Matches
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                                                                                                                                                                                                                                                                                                                                                                  Y.; Wolk, C.P.; Kuritz, T.; Sasamoto,
                                                                                                                       45.5%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       quence of Caulobacter crescentus.
MUID:21173698; PMID:11259647
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                                                                                                                       Score 5;
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Pred. No.
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Pred. No.
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21;
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                                                                                                        Indels
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30-Jun-2002
                                                                                                     0;
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R;Romine, M.F.; Stillwell, L.C.; Wong, K.K.; Thurston, S.J.; Sisk, E.C.; Sensen, C.W. submitted to the EMBL Data Library, July 1998
A;Description: Complete sequence of a 184 kb catabolic plasmid from Sphingomonas arom
                                                                           C:Species: Sphingomonas aromaticivorans C:Date: 11-Jan-2000 #sequence_revision
                                                                                                                                        RESULT
T31213
                                                           C; Accession: T31213
                                                                                                                                                                                                                                                                                                                                                           A; Map position: circular chromosome C; Superfamily: phosphoribosyl-ATP pyrophosphatase
                                                                                                                  hypothetical protein 724 -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A;Reference number: A97359; PMID:11743194 A;Accession: E97363
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C;Date: 30-Sep-2001 #sequence_revision C;Accession: E97363
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              phosphoribosyl-ATP pyrophosphatase (PRA-PH) [imported] - Agrobacterium tumefaciens
C; Species: Agrobacterium tumefaciens
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R;Wood, D.W.; Setubal, J.C.; Kaul, erage, G.; Gillet, W.; Grant, C.; (
                                                                                                                                                                                                                                                                                                                                                                                                       A; Gene: AGR_C_60
                                                                                                                                                                                                                                                                                                                                                                                                                                       A;Cross-references: GB:AE007869; PIDN:AAK85862.1;
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A; Residues: 1-112 <KUR>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A; Status: preliminary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A; Title: Genome Sequence of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Science 294, 2323-2328, 2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A;Cross-references: GB:AE008688; FA;Experimental source: strain C58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A; Molecule type: DNA
A; Residues: 1-107 < KUR>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A; Title: The Genome of the Natural Genetic A; Reference number: AB2577; PMID:11743193 A; Accession: AG2581
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A; Authors: Yoo, H.; Tao, Y.; Biddle,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           phosphoribosyl-ATP pyrophosphohydrolase hisE [imported] - Agrobacterium tumefaciens C;Species: Agrobacterium tumefaciens C;Species: 11-Jan-2002 *sequence_revision 11-Jan-2002 *text_change 01-Feb-2002
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100.0%;
                                                                                                                Sphingomonas aromaticivorans plasmid
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                                                                                                                                                                                                                                                                                      Mismatches
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                                                                             11-Jan-2000
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                                                                         #text_change 18-Feb-2000
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                                                                                                                                                                                                                                                                                                                          Length 112;
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                                                                                                              PNL1
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Markelz,
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RESULT 13
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A; Variety: PCC 6803
C;Date: 25-Apr-1997 #sequence_revision 25-Apr-1997 #text_change 20-Jun-2000
C;Date: 25-Apr-1997 #sequence_revision 25-Apr-1997 #text_change 20-Jun-2000
C;Accession: S74640
C;Ac
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C;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A;Accession: T31213
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-118 <ROM>
                                                                                                                                                                                                                                                 R;Seeger, K.J.; Harris, D.; James, K.D.; Parkhill, J.; Barrell, B.G.; Rajandream, M.A. submitted to the EMBL Data Library, June 1999
A;Reference number: 221584
A;Accession: T35632
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-136 <SEE>
A;Cross references: EMBL:ALO79356; PIDN:CAB45627.1; GSPDB:GN00070; SCOEDB:SC6G9.36c
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T35632
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C;Superfamily: Sphingomonas aromaticivorans plasmid pNL1 hypothetical
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            probable transposase - Streptomyces coelicolor
C;Species: Streptomyces coelicolor
C;Date: 05-Nov-1999 #sequence_revision 05-Nov-1999 #text_change 18-Aug-2000
C;Accession: T35632
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 C; Superfamily: hypothetical protein slr1780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A;Reference number: S74322; MUID:97061201; PMID:8905231
A;Accession: S74640
A;Status: nucleic acid sequence not shown; translation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DNA Res. 3, 109-136, 1996
A;Title: Sequence analysis of the genome of the unicellular cyanobacterium Synechocystis
                                                                                                                    A;Gene: SCOEDB:SCOED : Streptomyces coelicolor probable transposase SC6G9.36c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A;Cross-references: EMBL:D90900;
A;Note: the nucleotide sequence v
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A; Molecule type: DNA
A; Residues: 1-133 <KAN>
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Matches 5; Conserv
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Start codon: GTG
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Local Similarity
mes 5; Conserv
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45.5%; Score 5; DB; ilarity 100.0%; Pred. No. 30 Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 5; DB;
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0; Mismatches
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29;
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lo. 30;
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5. 26;
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                                                                                 Length 136;
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Search completed: April 16, 2003, 16:37:41 Job time: 2.70443 secs

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C;Accession: B81146

C;Accession: B81146

R;Tettelin, H.; Saunders, N.J.; Heidelberg, J.; Jeffries, A.C.; Nelson, K.E.; Eisen, Hickey, E.K.; Haft, D.H.; Salzberg, S.L.; White, O.; Fleischmann, R.D.; Dougherty, B. H.; Qin, H.; Vamethevan, J.; Gill, J.; Scarlato, V.; Masignani, V.; Pizza, M. Science 287, 1809-1815, 2000

Science 287, 1809-1815, 2000

A;Authors: Grandi, G.; Sun, L.; Smith, H.O.; Fraser, C.M.; Moxon, E.R.; Rappuoli, R.; A;Title: Complete genome sequence of Nelsseria meningitidis serogroup B strain MC58.
A;Title: Complete genome sequence of Nelsseria meningitidis serogroup B strain MC58.
A;Reference number: A81000; MUID: 20175755; PMID: 10710307

A;Reference number: A81000; MUID: 20175755; PMID: 10710307

A;Reference number: A81000; MUID: 20175755; PMID: 10710307
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 B81146
AZIC_related protein NMB0892 [imported] - Neisseria meningitidis (strain MC58 serogro C;Species: Neisseria meningitidis
C;Date: 31-Mar-2000 #sequence_revision 31-Mar-2000 #text_change 19-Jan-2001
C;Accession: B81146
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                                                                                                                                                                                                                                                          A; Molecule type: DNA A; Residues: 1-140 <TET> A; Residues: 1-140 <TET> A; Cross-references: GB: AE002441; GB: AE002098; NID: 97226123; PIDN: AAF41301.1; A; Experimental source: serogroup B, strain MC58 C; Genetics:
В
                                                                                                                                                                                                                                                                                                                                                                                                           A;Status: preliminary
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Best Local S
Matches 5
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0; Mismatches
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Title:
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Maximum DB seq length: 2000000000
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 size :
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SwissProt_40:*
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 SOML_CARAU
AXIA_ARATH
IL1B_RAT
AROC_HAEIN
DUT_HSV7J
YAZ1_SCHPO
IF2G_ENCCU
IF2G_ENCCHPO
IF2G_HOMAN
IF2G_MOUSE
MANC_KLEPN
MANC_SALMO
PECOLI
FLII_AGRT5
IF2G_DROME
YKA7_CAEEL
IF2G_YEAST
SYK_STRCO
SP87_DICDI
NETR_MOUSE
POL_GALW
DPOL_RCMVM
RPOC_BORBU
                                                                                                                                                                                            IL1B_MOUSE
SPEE_METJA
E434_ADE02
POL_SMSAV
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HIS2_AGRT5
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ARF6_XENLA
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                                            Q9z0n2 | Q48462 | Q48462 | Q01410 | P37753 | Q34171 | Q24208 | P34258 | P32481 | Q9x895
                                                                                                                        P03359
Q56198
P43875
P52341
Q10223
Q96719
Q09130
P41091
Q920n1
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Q57761
P03239
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Q63264
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P21414
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                                                                                                                                                                                                                                                 P72777 synechocyst
P51645 xenopus lae
P79697 carassius a
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Q8uj91 agrobacteri
P72777 synechocyst
                                                                                                                                                                                                                                                                                                    Description
                                                                                                                                         9 simian sarc
8 staphylococ
5 haemophilus
1 human herpe
3 schizosacch
9 encephalito
0 schizosacch
                          1 homo sapien
I mus musculu
2 mus musculu
2 mus musculu
3 klebsiella
0 salmonella
3 escherichia
3 escherichia
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DT DT		Qy Db	Que Bes Mat						RESULTION TO TO		44444 00000000000000000000000000000000
15-JU	SULI S2_/	Oy 2 VDCPDE 7	Query Match 54.5%; Score 6; DB 1; Length 75; Best Local Similarity 100.0%; Pred. No. 0.53; Matches 6; Conservative 0; Mismatches 0; Indels	EMBL; AE007684; AAK79722.1; PROSITE; PS50084; KH_TYPE.1; FALSE_NEG. Hypothetical protein; RNA-binding; Compl DOMAIN 29 75 SEQUENCE 75 AA; 8170 MW; A68E2113FA4	This SWISS-PROT entry is copyright. It is produced through between the Swiss Institute of Bioinformatics and the EM the European Bioinformatics Institute. There are no restruse by non-profit institutions as long as its content modified and this statement is not removed. Usage by and entities requires a license agreement (See http://www.isb-sorsend an email to license@isb-sib.ch).	SEQUENCE FROM N.A. STRAIN=ATCC 824 / DSM 792 / VKM B-1787; STRAIN=ATCC 824 / DSM 792 / VKM B-1787; STRAIN=ATCC 824 / DSM 792 / VKM B-1787; MEDLINE=21359325; PubMed-11466286; Noelling J., Breton G., Omelchenko M.V., Makarova K., Noelling J., Qiu D., Hitti J., Wo Gibson R., Lee H.M., Dubois J., Qiu D., Hitti J., Wo Gibson R., Lee H.M., Dubois J., Qiu D., Hitti J., Wo Gibson R., Lee H.M., Dubois J., Qiu D., Hitti J., Wo Gibson R., Lee H.M., Dubois J., Qiu D., Hitti J., Wo Gibson R., Lee H.M., Dubois J., Ducette-Stamm L., Soucail Bennett G.N., Koonin E.V., Smith D.R.; "Genome sequence and comparative analysis of the sol bacterium Clostridium acetobutylicum."; J. Bacteriol. 183:4823-4838(2001). 1- SIMILARITY: BELONGS TO THE UPF0109 FAMILY.		DT 15-JUN-2002 (Rel. 41, Created) DT 15-JUN-2002 (Rel. 41, Last sequence update) DT 15-JUN-2002 (Rel. 41, Last annotation update) DT 15-JUN-2002 (Rel. 41, Last annotation update) DE Hypothetical protein CAC1756.	RESULT 1 YH56_CLOAB ID YH56_CLOAB STANDARD; PRT; 75 AA.	ALIGNMENTS	4 5 45.5 1419 1 LYS2_SCHPO P40976 5 45.5 1471 1 MYS4_YEAST P32492 7 5 45.5 1628 1 NAGH_CLOPE P26831 7 6 45.5 2359 1 CCAH_MOUSE P66827 8 6 45.5 2355 1 CCAH_MOUSE P80671 9 4 36.4 29 1 SCX2_LEIOH P80671 1 4 36.4 29 1 SCX3_LEIOH P80671 1 4 36.4 30 1 CG2_SCOWA P49543 2 4 36.4 36 1 PSBY_ODOS1 4 36.4 58 1 IEIZ_HSV2 4 36.4 65 1 TXYZ_NAJKA P82518 5 4 36.4 65 1 TXYZ_NAJKA P82463
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XX MEDLINE-2160851; pubMed-11743194;
XA GOODDER B., Hinkle G., Gattung S., Miller N., Blanchard M.,
XA GOODDER B., Hinkle G., Gattung S., Miller N., Blanchard M.,
XA GOODDER B., Goldman B.S., Cao Y., Askenazi M., Halling C., Mullin L.,
XA Houmlel K., Gordon J., Vaudin M., Iartchouk O., Epp A., Liu F.,
XA Houmlel K., Gordon J., Vaudin M., Iartchouk O., Epp A., Liu F.,
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Synechocystis sp. (strain Bacteria; (
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15-JUL-1999 (Rel. 38, Last
16-OCT-2001 (Rel. 40, Last
YCf54-like protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EMBL; AE008978; AAL41069.1; -.EMBL; AE007946; AAK85862.1; ALT_INIT. Histidine biosynthesis; Hydrolase; CoSEQUENCE 107 AA; 11411 MW; 95003E
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P72777;
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MEDILINE-21608550; PubMed-11743193;

WOOD D.W., Setubal J.C., Kaul R., Monks D.E., Kitajima J.P.,

WOOD D.W., Setubal J.C., Kaul R., Monks D.E., Almeida N.F. Jr., Woo L.,

Chen Y., Setubal J.C., Ken L., Wood G.E., Almeida N.F. Jr., Woo L.,

Chen Y., Paulsen I.T., Eisen J.A., Karp P.D., Bovee D. Sr.,

Chapman P., Clendenning J., Deatherage G., Gillet W., Grant C.,

Kutyavin T., Levy R., Li M.-J., McClelland E., Palmieri A.,

Kutyavin T., Levy R., Li M.-J., McClelland E., Palmieri A.,

Rutyavin T., Levy R., Li M.-J., McClelland E., Palmieri A.,

Rutyavin T., Levy R., Li M.-J., McClelland E., Palmieri A.,

Rutyavin T., Levy R., Li M.-J., McClelland E., Palmieri A.,

Rordon G., Rouse G., Saenphimmachck C., Wu Z., Romero P., Gordon D.

Zhang S., Yoo H., Tao Y., Biddle P., Jung M., Krespan W., Perry M.,

Cordon Kamm B., Liao L., Kim S., Hendrick C., Zhao Z.-Y., Dolan M.,

Chumley F., Tingey S.V., Tomb J.-F., Gordon M.P., Olson M.V.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Science 294:2317-2323(2001).
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Agrobacterium tumefaciens (strain C58 / ATCC 33970).
Bacteria; Proteobacteria; alpha subdivision; Rhizobiaceae group; Rhizobiaceae; Rhizobium.
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HSSP; P32889;
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                                                                                                                                                    This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Submitted (JUL-1995) to the EMBL/GenBank/DDBJ databases.
-!- FUNCTION: GTP-BINDING PROTEIN THAT FUNCTIONS AS AN ALLOSTERIC ACTIVATOR OF THE CHOLERA TOXIN CATALYTIC SUBUNIT, AN ADPRIBOSYLTRANSFERASE. INVOLVED IN PROTEIN TRAFFICKING: MAY MODULY VESICLE BUDDING AND UNCOATING WITHIN THE GOLGI APPARATUS (BY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Xenopus laevis (African clawed frog).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;
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Hypothetical protein; Complete proteome.
SEQUENCE 133 AA; 15456 MW; 8E65B5630E678838 CRC64;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
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SIMILARITY: BELONGS
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SIMILARITY: BELONGS TO THE YCF54 FAMILY
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100.0%; Pr
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Yamada M., Yasuda N
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Eukaryota, Metazoa; Chordata; Craniata;
Actinopterygii; Neopterygii; Teleostei;
Cyprinidae; Carassius.
NCBI_TaxID-7957;
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SMART; SM0010; Small_GTPase; 1.
TIGREPAMS; TIGR00231; Small_GTP;
PROSITE; PS01019; ARF; 1.
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                                                                                                                                                                                                                                                                                                                                     Carassius auratus.";
Biochem. Biophys. Res. Commun. 232:282-287(1997).
                                                                                                                                                                                                                                                                                                                                                           SEQUENCE FROM N.A.

MEDLINE-97242175; PubMed=9125164;

Cheng K.W., Chan Y.H., Chen Y.D., Yu K.L., Chan K.M.,

"Sequence of a cDNA clone encoding a novel somatolactin in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PROSITE; PS01019; ARF; 1.
GTP-binding; Multigene family; Myristate;
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                                                                                                                                                                InterPro; IPR001230; Prenyl_site.
InterPro; IPR001400; Somatotropin.
                                                                                                                                                                                         HSSP; P01246; 1BST
                                                                                                                                                                                                   EMBL;
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62
121
174
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                                      219
226
230 AA;
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ilarity 100.0%;
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              precursor
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STANDARD;
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                                                                                                                                                                                                                                                                                                                             LOCATION:
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35, Last sequence up
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      45.5%;
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MYRISTATE (BY SIMILARITY).

GTP (BY SIMILARITY).

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GTP (BY SIMILARITY).
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Pred. No.
                                                    N-LINKED
                                                                                              POTENTIAL.
SOMATOLACTIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRT;
                                       -LINKED (GLCNAC. . .) (P
CBC5DB347C6116DC CRC64;
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e 5;
No.
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0. 17;
       DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                           Vertebrata; Euteleostomi;
Ostariophysi; Cypriniformes;
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                 Length 230
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RX Theologis A., Ecker J.R., Palm C.J., Federspiel N.A., Kaul S.,
Rheologis A., Ecker J.R., Palm C.J., Federspiel N.A., Kaul S.,
RA White O., Alonso J., Altafi H., Araujo R., Bowman C.L., Brooks S.Y.,
RA Buehler E., Chan A., Chao Q., Chen H., Cheuk R.F., Chin C.W.,
RA Dunn P., Efgu P., Feldblyum T.V., Feng J.-D., Fong B., Fujii C.Y.,
RA Dunn P., Efgu P., Feldblyum T.V., Feng J.-D., Fong B., Huizar L.,
RA Hunter J.L., Jenkins J., Johnson-Hopson C., Khan S., Khaykin E.,
RA Kim C.J., Koo H.L., Kremenetskaia I., Kurtz D.B., Kwan A., Lam B.,
RA Langin-Hooper S., Lee A., Lee J.M., Lenz C.A., Li J.H., Li Y.-P.,
RA Langin-Hooper S., Lee A., Lee J.M., Maiti R., Marziali A.,
RA Lin X., Liu S.X., Liu Z.A., Luros J.S., Maiti R.,
RA Militscher J., Miranda M., Nguyen M., Nierman W.C., Osborne B.I.,
RA Alin S., Peterson J., Pham P.K., Rizzo M., Rooney T., Rowley D.,
RA Sakano H., Salzberg S.L., Schwartz J.R., Shinn P., Southwick A.M.,
RA Sun H., Tallon L.J., Tambunga G., Toriumi M.J., Town C.D.,
RA Utterback T., Van Aken S., Vaysberg M., Vysotskaia V.S., Walker M.,
Wu D., Yu G., Fraser C.M., Venter J.C., Davis R.M.;
"Sequence and analysis of chromosome 1 of the plant Arabidopsis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
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"The PS-IAA4/5-like family of early au
Arabidopsis thaliana.";
J. Mol. Biol. 251:533-77
                                                                                                                                                                                                                                            STRAIN-CY. Columbia;

STRAIN-CY. Columbia;

STRAIN-CY. Columbia;

Yamada K., Liu S.X., Sakano H., Pham P.K., Banh J., Etgu P., Lee J.M.,

Yamada K., Liu S.X., Sakano H., Pham P.K., Rarlin-Neumann G.,

Toriumi M., Yu G., Brooks S., Chao Q., Chen H., Karlin-Neumann G.,

Kim C., Lam B., Miranda M., Nguyen M., Palm C.J., Shinn P.,

Southwick A., Davis R.W., Ecker J.R., Theologis A.;

"Full length cDNA of gene F20D22.13 (GI:314229).";

Submitted (DEC-2000) to the EMBL/GenBank/DDBJ databases.

-i- FUNCTION: COULD ACT AS REGULATOR OF GENES RESPONSIBLE FOR

MEDIATING THE VARIOUS AUXIN-INDUCED EVENTS RESPONSIBLE FOR CELL

GROWTH (BY SIMILARITY).

GROWTH (BY SIMILARITY).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    i6-OCT-2001 (Rel. 40, Created)
16-OCT-2001 (Rel. 40, Last sequence update)
16-OCT-2001 (Rel. 40, Last annotation update)
16-OCT-2001 (Rel. 40, Last sequence update)
17-Auxiliary (Rel. 40, Last annotation update)
17-Auxiliary (Rel. 40, Last annotation update)
18-OCT-2001 (Rel. 40, Last annotation update)
18-OCT-2001 (Rel. 40, Last sequence update)
18-OCT-2001 (Rel.
This SWISS-PROT entry is copyright. It is produced through a collable between the Swiss Institute of Bioinformatics and the EMBL outst the European Bioinformatics Institute. There are no restrictions use by non-profit institutions as long as its content is in modified and this statement is not removed. Usage by and for commodified and this statement is not removed.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A. STRAIN=CV. Columbia;
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                                                                                                                                                                                  -!- SIMILARITY: BELONGS TO THE AUX/IAA FAMILY.
-!- SIMILARITY: BELONGS TO THE AUX/IAA FAMILY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Nature
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MBL outstation -
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RESULT 7
ILLB LITE
AC 0632
DT 01-N
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Best Local Similarity
Matches 5; Conserv
                           EMBL; M98820; AAA41426.1; -.
HSSP; P10749; 2MIB.
InterPro; IPR002348; ILL_propep.
InterPro; IPR003502; ILL_propep.
InterPro; IPR000975; Interleukin_1.
Pfam; PF00340; ILL; 1
Pfam; PF02394; ILL_propep; 1.
PRINTS; PR00256; ILTHBGF.
PRODOM; DF002565; INTERLEUKIn_1; 1.
SMART; SM00125; IL1; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SUBMITTED AS ENDOGEN BY ACTIVATED MACROPHAGES, IL-1 STHULATES

IF UNCTION: PRODUCED BY ACTIVATED MACROPHAGES, IL-1 STHULATES

IF UNCTION: PRODUCED BY ACTIVATED MACROPHAGES, IL-1 STHULATES

IF UNCTIVE PROLIFERATION BY INDICING IL-2 RELEASE, B-CELL

MATURATION: PROLIFERATION, 6 FIEROBLAST GROWTH EACTOR ACTIVITY.

IL-1 PROTEINS ARE INVOLVED IN THE INLAMMATORY RESPONSE, BEING

IDENTIFIED AS ENDOGENOUS PYROGENS, AND ARE REPORTED TO STIMULATE

THE RELEASE OF PROSTAGLANDIN AND COLLAGENASE FROM SYNOVIAL CELLS.

SUBJUIT: MONMER.

I-1 SUBJUIT: MONMER.

I-2 DOMAIN: THE SIMILARITY ANONG THE IL-1 PRECURSORS SUGGESTS THAT THE

MAINO ENDS OF THESE PROTEINS SERVE SOME AS YET UNDEFINED FUNCTION.

I-4 MISCELLANEOUS: THE LACK OF A SPECIFIC HYDROPHOBIC SEGMENT IN THE

PRECURSOR SEQUENCE SUGGESTS THAT IL-1 IS RELEASED BY DAMAGED CELLS

OR IS SECRETED BY A MECHANISM DIFFERING FROM THAT USED FOR OTHER

SIMILARITY: BELONGS TO THE IL-1 FAMILY.
                                                                                                                                                                                                                                                                                                                                                                              This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01-NOV-1997 (Rel. 35, Created)
01-NOV-1997 (Rel. 35, Last sequence update)
30-NAY-2000 (Rel. 39, Last annotation update)
Interleukin-1 beta precursor (II-1 beta).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EMBL: U18412; AAC49051.1; -.
EMBL: AC002411; AAC16750.1; -.
EMBL: AC0232396; AAC48760.1; -.
InterPro: IPR003311; AUX_IAA.
InterPro: IPR003311; AUX_IAA.
InterPro: IPR00391; AUX_IAA.
INTERPO: IPR00391; AUX_IAA.
Multigene family; Nuclear protein; Translation regulation
DOMAIN

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60

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FOLY_SER.
   PROSITE;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Rattus norvegicus (Rat).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalla; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
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Q63264;
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27878 MW;
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o. 24;
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Дb
                                                                     RP X-RAY CRYSTALLOGRAPHY (2.0 ANGSTROMS).

RP MEDLINE-92222792; PubMed=1807351;

RA MEDLINE-92222792; PubMed=1807351;

RA VAN COSTTUM J. Priestle J.P., Grutter M.G., Schmitz A.;

RA VAN COSTTUM J. Priestle J.P., Grutter M.G., Schmitz A.;

RT "The structure of murine interleukin-1 beta at 2.8-A resolution.";

RI J. Struct. Bol. 107:189-195(1991).

CC : FUNCTION: PRODUCED BY ACTIVATED MACROPHAGES, II-1 STANLATES

CC : MITURATION & PRODUCED BY ACTIVATED MACROPHAGES, BCILLATES

CC : MITURATION & PROLIFERATION, & FIBROBLAST GROWTH FACTOR ACTIVITY.

CC : MITURATION & PROLIFERATION, & FIBROBLAST GROWTH FACTOR ACTIVITY.

CC : MITURATION & PROLIFERATION, & FIBROBLAST GROWTH FACTOR ACTIVITY.

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CC : MITURATION & PROLIFERATION, & FIBROBLAST GROWTH FACTOR ACTIVITY.

CC : MITURATION & PROSTAGLANDIN AND COLLAGENASE FROM SYNOVIAL CELLS.

CC : SUBJUTT: MONOMER.

CC : DOMAIN: THE SIMILARITY AMONG THE II-1 PRECURSORS SUGGESTS THAT THE CLACK OF A SPECIFIC HYDROPHOBIC SEGMENT IN THE PRECURSOR SUGGESTS THAT II-1 IS RELEASED BY DAMAGED CELLS.

CC : MISCELLANEOUS: THE LACK OF A SPECIFIC HYDROPHOBIC SEGMENT IN THE PRECURSOR SUGGESTS THAT II-1 IS RELEASED BY DAMAGED CELLS.

CC : SILLARITY: BELONGS TO THE II-1 FAMILY.

CC : SILLARITY: BELONGS TO THE II-1 FAMILY.
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Best Local &
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P10749;
01-JUL-1989
01-JUL-1989
30-MAY-2000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      [2]
SEQUENCE FROM N.A.
MEDLINE-87117546; PubMed-3492706;
MEDLINE-87117546; PubMed-3492706;
Telford J.L., Macchia G., Massone A., Carinci \
"The murine interleukin I beta gene: structure \
Nucleic Acids Res. 14:9955-9963(1986).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Cytokine; Macrophage; Mitogen; Inflammatory response; PROPEP 1 116 SIMILARITY.
CHAIN 117 268 INTERLEUKIN-1 BETA.
SEQUENCE 268 AA; 30644 MW; 109C19EBF69C242D CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDIINE-87058957; PubMed=3491144;
Gray P.W., Glaister D., Chen E., Goeddel D.V.,
"Two interleukin 1 genes in the mouse: cloning
CDNA for murine interleukin 1 beta.";
J. Immunol. 137:3644-3648(1986).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Huang J.J., Newton R.C., Rutledge S.J., Covington M., Lin Y.; "Characterization of murine IL-1 beta.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE OF 118-139
MEDLINE=88229074; P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mus musculus (Mouse).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-JUL-1989 (Rel. 11, Created)
01-JUL-1989 (Rel. 11, Last sequence update)
30-MAY-2000 (Rel. 39, Last annotation update)
Interleukin-1 beta precursor (IL-1 beta).
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Newton R.C., Rutledge S.J.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         140:3838-3843(1988).
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d evolution.";
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expression
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InterPro; IPR003502; IIL_propep.
InterPro; IPR0003502; IIL_propep.
InterPro; IPR000975; Interleukin_1.
Pfam; PF00340; IIL; 1.
Pfam; PF00340; IIL,propep; 1.
PfANTS; PR00252; IILHBGF.
ProDOm; PD002536; Interleukin_1; 1.
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EMBL; X04964; CAA28637.1; -
PIR; A24719; A24719
PIR; S13029; S13029;
PDB; BILB; 115-OCT-94,
PDB; ZM:TB; 31-JAN-94.
MGD; MGI:96543; IIIb.
                                                                             SPEE_METJA
Q57761;
01-NOV-1997
01-NOV-1997
                                01-NOV-1997 (Rel. 35, Created)
01-NOV-1997 (Rel. 35, Last sequence update)
15-JUN-2002 (Rel. 41, Last annotation update)
Probable spermidine synthase (EC 2.5.1.16) (Paminopropyltransferase) (SPDSY).
SPEE OR WI0313.
Methanococcus jannaschii.
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                                                                                                                 METJA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               Cytokine; Macrophage; Mitogen;
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smart; sm00125; IL1; 1.
prosite; ps00253; INTERLEUKIN_1;
                                                                                                                                                                                                                                                                                                                                                                                                                                               PROPEP
                  Archaea; Euryarchaeota;
Methanocaldococcaceae;
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                                                                                                                                                                                                                        SEQUENCE
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                                                                                                                                                                                      Conservative
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181
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252
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100.0%; Pr
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269
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163
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                  Methanocaldococcus
                          Methanococci; Methanococcales;
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                                                                                                                                                                                                       Score 5;
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                                                                                                                                                                                     Pred. No. 24; Mismatches
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Inflammatory
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                                                            (Putrescine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                response;
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E434_ADE02
ID E434_AA
AC P03239
DT 21-JUL
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DE Early
OS Human
OC Viruse
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CSTRAIN-JAL-1 / DSW 2661 / ATCC 43067;

RX MEDLINE-96337999; PubMed-8688087;

RX MEDLINE-96337999; PubMed-8688087;

RA Bult C.J., White O., Olsen G.J., Zhou L., Fleischmann R.D.,

RA Sutton G.G., Blake J.A., FitzGerald L.M., Claycon R.A., Gocayne J.D.,

RA Sutton G.G., Blake J.A., FitzGerald L.M., Claycon R.A., Gocayne J.D.,

RA Cverbeek R., Kirkness E.F., Weinstock K.G., Merrick J.M., Glodek A.,

RA Scott J.L., Geoghagen N.S.M., Weidman J.F., Fuhrmann J.L., Nguyen D.,

RA Scott J.L., Geoghagen N.S.M., Petcerson J.D., Sadow P.W., Hanna M.C.,

RA Cotton M.D., Roberts K.M., Hurst M.A., Kaine B.P., Borodovsky M.,

RA Klenk H.-P., Fraser C.M., Smith H.O., Woese C.R., Venter J.C.;

RA Klenk H.-P., Fraser C.M., Smith H.O., Woese C.R., Venter J.C.;

RA Klence 273:1058-1073(1996).

RC COMPAINTIC ACTION Seadonsylmethioninamine + putrescine = 5'-

CC - CAPALYTIC ACTION Seadonsylmethioninamine + putrescine = 5'-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local S
Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entitles requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                           Herisse J., Rigolet M., Dupont de Dinechin S., Galibert F.;
"Nucleotide sequence of adenovirus 2 DNA fragment encoding for the
carboxylic region of the fiber protein and the entire E4 region.";
Nucleic Acids Res. 9:4023-4042(1981).

-i- MISCELLANEOUS: FOUND IN ASSOCIATION WITH E1B 55 kba PROTEIN.

-i- SIMILARITY: BELONGS TO THE ADENOVIRUS E4 30 TO 34 kDa PROTEIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                InterPro; IPR000051; SAM_bind.
InterPro; IPR001045; Sprmine_Synthase.
InterPro; IPR001045; Sprmine_Synth; 1.
Pfam; PF01564; Spermine_Synth; 1.
TIGREAMS; TIGR00417; SpeE; 1.
PROSITE; PS01330; SPERMIDINE_SYNTHASE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             -i- CATALYTIC ACTIVITY: S-adenosylmethioninamine + putrescine = 5'-
methylthioadenosine + spermidine.
-i- PATHMAY: FIFTH (LAST) STEP IN THE BIOSYNTHESIS OF SPERMIDINE FROI
ARGININE AND METHIONINE.
-i- SIMILARITY: BELONGS TO THE SPERMIDINE/SPERMINE SYNTHASES FAMILY.
                                                                                                                                                                           SEQUENCE FROM N.A.
MEDLINE=82059444; PubMed=6985482;
Herisse J., Rigolet M., Dupont de
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EMBL; U67486; AAB98300.1; -. TIGR; MJ0313; -.
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DOMAIN 85 126 BINDING TO DECARBOXYLATED S
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                                                                                                                                                                                                                                                                                 Adenoviridae;
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                                                                                                                                                                                                                                                           Query Match
Best Local
                                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local
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GLK_STAXY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDLINE-83144004; PubMed-6298772;
MEDLINE-83144004; PubMed-6298772;
Devare S.G., Reddy E.P., Law J.D., Robbins K.C., Aaronson S.A.;
"Nucleotide sequence of the simian sarcoma virus genome:
demonstration that its acquired cellular sequences encode the
transforming gene product p28sis.;
Proc. Natl. Acad. Sci. U.S.A. 80:731-735(1983).

-1- CATALYTIC ACTIVITY: N deoxynucleoside triphosphate = N diphosphate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      P03359;
21-JUL-1986 (Rel. 01, Created)
21-JUL-1986 (Rel. 01, Last sequence update)
15-JUN-2002 (Rel. 41, Last annotation update)
POL polyprotein [Contains: Reverse transcriptase (EC 2.7.7.49)]
                                                                                                                                                                                                                                                                                                                                                                  Transferase; RNA-directed DNA polymerase; Polyprotein NON_TER 1 1
                                                                                                                                                                                                                                                                                                                                                                                                               InterPro; IPR001584; Rve. Pfam; PF00665; rve; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                          SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EMBL; V01201; CAA24515.1; -. PIR; A05071; A05071.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       +
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Simian sarcoma virus
Viruses; Retroid viruses; Retroviridae; Gammaretrovirus
NCBI_TaxID-11817;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE
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                                                                                                                                  268
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               118
                                                                                                                                                                                     5 PDESW 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         7 ESWAL 11
                                                                                                                                  PDESW
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A03805; Q4ADC2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ESWAL 122
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5; Conser
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5; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SPECIFIC ENZYMATIC CLEAVAGES IN VIVO YIELD MATURE PROTEINS
                                                                                                                                  272
                                                                                                                                                                                                                                                                                                                                       294 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    294 AA;
                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NOT_ANNOTATED_CDS
                                                                                                                                                                                                                                                                                                                                          32719 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    34116 MW;
                                                                                                                                                                                                                                                           100.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 5;
Pred. No.
                                                                                                                                                                                                                                                           Score 5;
Pred. No.
   PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRT;
                                                                                                                                                                                                                                                                                                                                       EE062CEF9485717F CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              F60C83A38240BE0C CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                      Mismatches
   328
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                294 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB
26;
                                                                                                                                                                                                                                                           DB 1;
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                                                                                                                                                                                                                                                                                   Length 294;
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                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
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RESULT
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Best Local
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SEQUENCE FROM N.A.

STRAIN-Rd / KW20 / ATCC 51907:

MEDLINE-95350630; PubMed-7542800;

Relischmann R.D., Adams M.D., White O., Clayton R.A., Kirkness E.F.,

Kerlavage A.R., Bult C.J., Tomb J.-F., Dougherty B.A., Merrick J.M.,

McKenney K., Sutton G., Fitzhugh W., Fields C.A., Gocayne J.D.,

McKenney K., Sutton G., Fitzhugh W., Fields C.A., Kelley J.M.,

McKenney K., Sutton G., Fitzhugh W., Fields C.A., Kelley J.M.,

McKenney K., Sutton G., Spridgs T., Hedblom E., Cotton M.D.,

McKenney K., Phillips C.A., Spridgs T., Hedblom E., Cotton M.D.,

Scott J.D., Shirley R., Liu L.-I., Squdek D.M., Brandon R.C.,

Utterback T.R., Hanna M.C., Nguyen D.T., Saudek D.M., Brandon R.C.,

Fine L.D., Fritchman J.L., Fuhrmann J.L., Geoghagen N.S.M.,
                                                                                                                                                                                                                                                     AROC_HAEIN STANDARD: PRT; 33, An.
P43875;
01-NOV-1995 (Rel. 32, Created)
01-NOV-1995 (Rel. 32, Last sequence update)
15-JUN-2002 (Rel. 41, Last annotation update)
Chorismate synthase (EC 4.6.1.4) (5-enolpyruvylshikimate-3-phosphate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Q56198;
15-JUL-1998
15-JUL-1998
15-JUN-2002
Glucokinase
                                                                                                                                                                                             phospholyase).
AROC OR HI0196.
Haemophilus influenzae.
Bacteria; Proteobacteria;
Haemophilus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EMBL; X84332; CAA59069.1; ...
InterPro; IPR000600; ROK_family.
InterPro; IPR000654; ROK_glcA_fam.
Pfam; PF00480; ROK; 1.
TIGRRAMS; TIGRO0744; ROK_glcA_fam;
PROSTTE; PS01125; ROK; 1.
Transferase; Kinase; Glycolysis; AT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE FROM N.A.
STRALN=DSM 20267 / Isolate C2A;
MEDLINE=96042090; PubMed=7592379;
Wagner E., Marcandier S., Egeter O.,
Brueckner R.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Staphylococcus xylosus.
Bacteria; firmicutes; Bacillales; Staphylococcus NCBI_TaxID=1288;
                                                                                                                                                                              NCBI_TaxID=727;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Glucose kinase-dependent catabolite repression in Staphylococcus
                                                                                                                                                                                                                                                                                                                                                                                                                                     105 FVDCP 109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 FVDCP 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             h 45.5%; Score 5; Similarity 100.0%; Pred N 5; Conservative 0; Misma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (Rel.
(Rel.
(Rel.
(EC 2.
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36, Last sequence update)
41, Last annotation updat
.7.1.2) (Glucose kinase).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; Glycolysis; ATP-binding. 35032 MW; 9BF622D66AF1B5DF CRC64;
                                                                                                                                                                                                             gamma
                                                                                                                                                                                                             subdivision;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Deutscher J.,
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o. 28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         update)
                                                                                                                                                                                                             Pasteurellaceae
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
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Smith H.O.

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Best Local S
Matches 5
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P52341;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PROSITE; PS00787; CHORISMATE_SYNTHASE_1; 1.
PROSITE; PS00788; CHORISMATE_SYNTHASE_2; 1.
PROSITE; PS00789; CHORISMATE_SYNTHASE_3; 1.
Lyase; Aromatic amino acid biosynthesis; Complete proteome.
SEQUENCE 357 AA; 38691 MW; 4504562BADF68164 CRC64;
the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/
                                                                                                                                                      Submitted (JAN-1996) to the EMBL/GenBank/DDBJ databases.

-i- FUNCTION: THIS ENZYME IS INVOLVED IN NUCLEOTIDE METBOLISM: IT PRODUCES DUMP, THE IMMEDIATE PRECURSOR OF THYMIDINE NUCLEOTIDES AND IT DECREASES THE INTRACELLULAR CONCENTRATION OF DUTP SO THAT URACIL CANNOT BE INCORPORATED INTO DNA.

-i- CATALYTIC ACTUITY: GUTP + H(2)0 = GUMP + diphosphate.

-i- SIMILARITY: BELONGS TO THE DUTPASE FAMILY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-OCT-1996 (Rel. 34, Created)
01-OCT-1996 (Rel. 34, Last sequence update)
16-OCT-2091 (Rel. 40, Last annotation update)
Deoxyuridine 5'-triphosphate nucleotidohydrolase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ProDom; PD002941; Chorismate_synt; 1. TIGRFAMs; TIGR00033; aroC; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  This SWISS-PROT entry is copyright. It is produced through a collaborate between the Swiss Institute of Bioinformatics and the EMBL outstatist the European Bioinformatics Institute. There are no restrictions on use by non-profit institutions as long as its content is in no modified and this statement is not removed. Usage by and for commer modified and this statement is not removed. Usage by and for commer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     chorismate + phosphate.
-!- COFACTOR: REDUCED FLAVIN (BY:
-!- PATHWAY: Aromatic amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Science 269:496-512(1995).
--- CATALYTIC ACTIVITY: 5-0-(1-carboxyvinyl)-3-phosphoshikimate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gnehm C.L., McDonald L.A., Venter J.C.;
Whole-genome random sequen
                                                                                                                                                                                                                                                                                                                                                                                                      Human herpesvirus (type 7 / strain JI) (HHV7).
Viruses; dsDNA viruses, no RNA stage; Herpesviridae;
Alphaherpesvirinae; Simplexvirus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Pfam; PF01264; Chorismate_synt;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EMBL; U32704; AAC21865.1; -. TIGR; HI0196; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            or send
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           -!- SUBUNIT: HOMOTETRAMER (BY SIMILARITY).
-!- SIMILARITY: BELONGS TO THE CHORISMATE SYNTHASE FAMILY.
                                                                                                                                                                                                                                                                                                                     Nicholas
                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    InterPro; IPR000453; Chorismate_synt.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (dUTPase) (dUTP pyrophosphatase).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             185 CPDES 189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4
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                                                                                        SWISS-PROT entry is copyright. It is produced through een the Swiss Institute of Bioinformatics and the EN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CPDES 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Similarity
5; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       s requires a license agreement (See http://www.isb-sib.ch/announce/an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                45.5%; ilarity 100.0%; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           sequencing
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Small K.V., Fraser C.M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 5;
Pred. No.
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RA Spourcy S., Peat N., Hayles J., Baker S. Basham D. Bowman S.,
RA Brooks K., Brown D., Brown S., Chillingworth T., Churcher C.M.,
RA Collins M., Connor R., Cronin A., Davis P., Feltwell T., Fraser A.,
RA Gentles S., Goble A., Hamlin N., Harris D., Hidalgo J., Hodgson G.,
RA Holroyd S., Hornsby T., Howarth S., Huckle E.J., Hunt S., Jagels K.,
RA Holroyd S., Hornsby T., Howarth S., Huckle E.J., Hunt S., Jagels K.,
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RA Holroyd S., Hornsby T., Howarth S., Huckle E.J., Hunt S., Jagels K.,
RA Goliver K., O'Neil S., Pearson D., Quail M.A., Rabbinowitsch E.,
RA Rutherford K., Rutter S., Saunders D., Seeger K., Sharp S.,
RA Rutherford K., Rutter S., Saunders D., Seeger K., Sharp S.,
RA Raylor K., Taylor R.G., Tivey A., Walsh S.V., Warren T., Whitehead S.,
RA Weltjens I., Vanstreels E., Rieger M., Schaefer M., Weltler-Auer S.,
RA Gabel C., Fuchs M., Fritcc C., Holzer E., Moestl D., Hilbert H.,
RA Borzym K., Langer I., Beck A., Lehrach H., Reinhardt R., Pohl T.M.,
RA Beger P., Zimmermann W., Wedler H., Reinhardt R., Pohl T.M.,
RA Eger P., Zimmermann W., Wedler H., Reinhardt R., Pohl T.M.,
RA Goffeau A., Cadieu E., Dreano S., Gloux S., Lelaure V., Mottier S.,
RA Gallbert F., Aves S.J., Xiang Z., Hunt C., Moore K., Hurst S.M.,
RA Lucas M., Rochet M., Gaillardin C., Tallada V.A., Garzon A., Thode G.,
RA Daga R.R., Cruzado L., Jimenez J., Sanchez M., Gel Rey F., Benito J.,
RA Comminguez A., Revuelta J.L., Moreno S., Armstrong J., Forsburg S.L.,
RA Carutti L., Lowe T., McCombie W.R., Paulsen I., Potashkin J.,
RA Shpakovski G.V., Ussery D., Barrell B.G., Nurse P.;
The genome sequence of Schizosaccharomyces pombe.";
RI Nature 415:8171-80(2002)
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01-0CT-1996 (Rel. 34, Last sequence update)
15-JUN-2002 (Rel. 41, Last annotation update)
Hypothetical protein C13D6.01 in chromosome I
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                                                                                                                                                                                                                          This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on it use by non-profit institutions as long as its content is in no was non-profit institutions as long as its content.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDLINE=21848401; PubMed=11859360; Wood V., Gwilliam R., Rajandream M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Schizosaccharomycetales; Schizosaccharomyces.
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379 AA; 43876 MW; 56C61E097B67AD7C CRC64;
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(See http://www.isb-sib.ch/announce/
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Sequence 176, Appli Sequence 2, Appli Sequence 16, Appli Sequence 16, Appli Sequence 224, Appli Sequence 224, Appli Sequence 227, Appli Sequence 227, Appli Sequence 227, Appli Sequence 2, Appli Sequence 2, Appli Sequence 2, Appli Sequence 2, Appli Sequence 26, Appli Sequence 26, Appli Sequence 5, Appli Sequence 6, Appli Sequence 7, Appli Sequence 7, Appli Sequence 6, Appli Sequence 7, Appli Sequence 6, Ap
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                         GENERAL INFORMATION:
APPLICANT: Wang, Tot
APPLICANT: Kalos, Mi
APPLICANT: Kalos, Mi
APPLICANT: Bangur,
APPLICANT: Bangur,
APPLICANT: Fanger,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 579
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-643-597-176
                                                                                                                                                                                                                      US-09-643-597-348
                                                                                                                                                                                                                                              RESULT 2
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US-09-643-597-176
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Best Local S
Matches 11
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GENERAL INF
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APPLICANT:
APPLICANT:
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APPLICANT:
APPLICANT:
APPLICANT:
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         APPLICANT:
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nes 11; Conser
                                                                                                                                                                                                                                                                                                                                1 FVDCPDESWAL 11
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  Wang, Tongtong
Fan, Liqun
Kalos, Michael D.
Bangur, Chaitanya S
Bosken, Nancy
Fanger, Gary R.
Li, Samuel X.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 642607
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36 54.5 274 2 US-U8-469-72-24B-71 36 54.5 275 2 US-08-7617-224B-71 36 54.5 293 2 US-08-701-191A-26 36 54.5 523 3 US-08-651-999A-2 36 54.5 523 4 US-09-385-752-2 36 54.5 1255 3 US-08-947-823-3 36 54.5 1255 3 US-08-947-823-3 36 54.5 1257 3 US-08-947-823-5 36 54.5 1257 3 US-08-947-823-5 36 54.5 2213 1 US-08-727-034-3 36 54.5 2213 1 US-08-727-034-7 36 54.5 2213 1 US-08-727-034-7 36 54.5 2214 1 US-08-727-034-7 36 54.5 4302 3 US-08-658-136-5 36 54.5 4303 2 US-08-658-136-5 37 53.8 593 3 US-08-335-865J-9 38 55.8 568 3 US-08-335-865J-21 38 593 3 US-08-335-865J-21	36 54.5 273 2 US-08 36 54.5 293 2 US-08 36 54.5 523 3 US-08 36 54.5 523 3 US-08 36 54.5 1257 3 US-08 36 54.5 11257 3 US-08 36 54.5 1257 3 US-08 36 54.5 2213 1 US-08 36 54.5 2213 1 US-08 36 54.5 2213 1 US-08 36 54.5 3213 1 US-08 36 54.5 4302 2 US-08 36 54.5 4303 2 US-08 36 54.5 4303 3 US-08 36 54.5 4303 3 US-08 36 54.5 53.8 533 3 US-08
5 293 2 US-08 5 293 2 US-08 5 523 4 US-09 5 1257 3 US-08	5 275 2 US-07-857-224B-71 Sequence 5 275 2 US-07-857-224B-71 Sequence 5 293 2 US-08-701-191A-26 Sequence 5 523 3 US-08-651-999A-2 Sequence 5 523 4 US-09-365-752-2 Sequence 5 1257 3 US-08-947-823-3 Sequence 5 1257 3 US-08-947-823-3 Sequence 5 1257 3 US-08-947-823-5 Sequence 5 1257 3 US-08-947-823-5 Sequence 5 1257 3 US-08-947-823-5 Sequence 5 1257 3 US-08-947-823-6 Sequence 5 1257 3 US-08-652-469-2 Sequence 5 1257 3 US-08-727-034-7 Sequence 5 1258 1 US-08-727-034-7 Sequence 5 1259 4 US-09-052-469-8 Sequence 5 1259 4 US-09-052-469-6 Sequence 5 1259 5 US-08-335-865J-1 Sequence
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	-08-409-53-48-71 Sequence -07-857-2248-71 Sequence -08-651-999A-2 Sequence -09-385-752-2 Sequence -09-364-805-228 Sequence -09-364-805-228 Sequence -09-564-805-228 Sequence -09-952-469-2 Sequence -08-947-823-5 Sequence -08-947-833-5 Sequence -08-727-034-7 Sequence -08-727-034-7 Sequence -08-658-136-5 Sequence -08-658-136-5 Sequence -08-658-136-6 Sequence -08-35-865J-2 Sequence -08-35-865J-21 Sequence -08-35-865J-21 Sequence -08-35-865J-21 Sequence

ALIGNMENTS

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APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Henderson, Robert A.
APPLICANT: Henderson, Robert A.
APPLICANT: MCNeill, Patricia D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455011
CURRENT APPLICATION NUMBER: US/09/643,597
CURRENT FILING DATE: 2000-08-21
NUMBER OF SEQ ID NOS: 369
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 176
SEQ ID NO 176
LENGTH: 579
                                                                                          Sequence 348, Application US/09643597 Patent No. 6426072
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Wang, Tongtong
Fan, Liqun
Kalos, Michael D.
Bangur, Chaitanya (
Hosken, Nancy
Fanger, Gary R.
Li, Samuel X.
                                                                                                                                                                                                                                                                                     milarity 100.0%;
Conservative 0
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Pred. No. 0.0052;
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: SOPTWARE: FastSEQ for Wi

SEQ ID NO 348

: LENGTH: 579

: TYPE: PRT

: ORGANISM: Homo sapiens

US-09-643-597-348
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CURRENT FILING DATE: 199-03-03
NUMBER OF SEQ ID NOS: 45
SOFTWARE: PATENTIN VET. 2.0
SEQ ID NO 2
LENGTH: 577
TYPE: PAT
ORGANIZM: Mus musculus
US-09-261-855-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 3
US-09-261-855-2
Sequence 2, Application US/09261855A
Patent No. 6255055
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US-09-109-205-1
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Patent No. 6057140
GENERAL INFORMATION:
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APPLICANT: ROSS, Jeffrey
TITLE OF INVENTION: (THE C-MYC CODING REGION DETERMINANT-BINDING PROTEIN
TITLE OF INVENTION: (CRD-BP) AND ITS NUCLEIC ACID SEQUENCE
FILE REFERENCE: 960296,95131
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Best Local Similarity
Matches 11; Conserv
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Best Local
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APPLICANT: Skelky, Yasir A.W.
APPLICANT: Skelky, Yasir A.W.
APPLICANT: Henderson, Robert A.
APPLICANT: Henderson, Robert A.
APPLICANT: McNeill, Patricia D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
TILE REFERENCE: 210121.455C11
CURRENT APPLICATION NUMBER: US/09/643,597
CURRENT APPLICATION NUMBER: US/09/643,597
ROTENTARP: FEO ID NOS: 369 ON 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                       APPLICANT: Lal Preeti
APPLICANT: Guegler, Karl J.
APPLICANT: Gorgone, Gina
APPLICANT: Corley, Neil C.
APPLICANT: Baughn, Mariah R.
APPLICANT: Yue, Henry
                                                                                           CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            41 FVDCPDESWAL 51
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                                                                            ADDRESSEE:
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                                                                                                  JICANY: YUE, HENTY
JICANY: YUE, HENTY
LE OF INVENTION: HUMAN SCAD FAMILY MOLECULES
The OF GROUENCES: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 Similarity 81.
9; Conservative
                                      Palo Alto
                   CA
                                                       3: Incyte Pharmaceuticals, Inc
3174 Porter Drive
USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%, Score 66; DB 4; Length 579; llarity 100.0%; Pred. No. 0.0052; Conservative 0; Mismatches 0; Indels
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0.067;
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RESULT 5
US-08-261-822A-16
; Sequence 16, Application US/08261822A
; Patent No. 5650553
; GENERAL INFORMATION:
; APPLICANT: Ecker, Joseph R. et al.
TITLE OF INVENTION: and Pathogens
; TITLE OF INVENTION: and Pathogens
; NUMBER OF SEQUENCES: 82
NUMBER OF SEQUENCES: 82
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: BEM PC compatible
COMPUTER: PC-DOS/MS-DOS
COMPUTER: PATENTIN RELEASE #1.0, Version #1.
COMPUTER: PATENTIN RELEASE #1.0, Version #1.
COMPUTER: PATENTIN DATA:
APPLICATION NUMBER: US/08/261,822A
FILING DATE: 17-JUN-1994
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Beardell, Lori Y.
REGISTRATION NUMBER: 34.293
TELECOMMUNICATION INFORMATION:
TELEPAN: (215) 568-3439
INFORMATION FOR SEQ ID NO: 16:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear; IMMEDIATE SOURCE: LUNGNOT14; LIBRARY: LUNGNOT14; CLONE: 1511003
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INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 309 amino acids
TYPE: amino acid
TYPE: amino acid
STRANDEDNESS: single
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Best Local Similarity 85.,
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATTORNET/AGENT INFORMATION:
NAME: CETTORE, MICHAEL C
REGISTRATION NUMBER: 39,132
REFERENCE/DOCKET NUMBER: PF-0
TELECOMMUNICATION INFORMATION:
TELEPAN: 650-855-0572
TELEPAX: 650-855-0572
                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 5650553ris
STREET: One Liberty Place, 46th floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
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OPERATING SYSTEM: Windows
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/109,205
FILLING DATE: Herewith
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CITY: Philadelphia
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Pred. No.
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38;
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RESULT 6
PCT-US95-07744A-16
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                                                                                                                          ; HYPOTHETICAL: 1; ANTI-SENSE: NO PCT-US95-07744A-16
                                                                                                                                                                                                                                                               CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/261,822
FILING DATE: June 17, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Beardell, Lori Y
REGISTRATION NUMBER: 34,293
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-319
INFORMATION: FOR SEQ ID NO: 16:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 16, Applicat
GENERAL INFORMATION:
APPLICANT: Truste
                                                                            Query Match
Best Local :
                                                              Matches
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                                                                                                                                                                    TYPE: amino acid
STRANDEDNESS: sing
TOPOLOGY: linear
MOLECULE TYPE: pepti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Trustees of The University of Pennsylvania
TITLE OF INVENTION: Plant Genes for Sensitivity to Ethylene
TITLE OF INVENTION: and Pathogens
NUMBER OF SEQUENCES: 82
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/07744A
FILING DATE: 15-JUNE-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: peptide HYPOTHETICAL: NO ANTI-SENSE: NO
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LENGTH: 398 amino acid
                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
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MEDIUM TYPE: Floppy disk
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245 FLEYPPESWAV 255
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                                                             Local Similarity
nes 6; Conserv
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TOPOLOGY: lir
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STREET: One Liberty Place, 46th floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     57.6%;
Local Similarity 54.5%;
es 6; Conservation
                                                                                                                                                                                                                                        LENGTH:
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linear
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                                                                           57.6%;
                                                                           Score 38; DB 5;
Pred. No. 1e+02;
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PRIOR APPLICATION NUMBER: US 60,
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/43
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 2
LENGTH: 826
TYPE: PRT
ORGANISM: Homo sapiens
US-09-564-805-2
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Best Local Similarity
Greches 6; Conserva
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                                                                                                                                    ; ORGANISM: Pan troglodytes US-09-564-805-224
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APPLICANT: Tavtigi
APPLICANT: Teng, D
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                                                                  Matches
                                                                                 Query Match
Best Local
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APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
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TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Su
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05
                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: US 60/107,4
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS:
SOFTWARE: Patentin V
                                                                                                                                                                                                                                                                                                                       FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05
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TYPE: PRT
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309 VECPDESF 316
309 VECPDESF 316
                                                              Local Similarity es 6; Conserv
                               2 VDCPDESW 9
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Rommens, Johanna M.
Myriad Genetics, Inc.
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Rommens, Johanna M.
Myriad Genetics, Inc.
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                                                                Score 38; DB
Pred. No. 2.1e
2; Mismatches
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Pred. No. 2.1e+02;
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                                                              2.1e+02;
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US-09-564-805-226

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CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PACENTIN VET: 2.0
SOFTWARE: PACENTIN VET: 2.0
SEQ ID NO 226
LENGUTH: 826
LENGUTH: 826
LENGUTH: 826
CANAISM: GOTILIA GOTILIA
US-09-564-805-226
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US-09-149-476-707
Sequence 707, Application
Patent No. 6420526
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 186
                                                                                                                                   EARLIER APPLICATION NUMBER: 60/040,336
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,163
EARLIER FILING DATE: 1997-03-07
EARLIER FILING DATE: 1997-03-07
EARLIER FILING DATE: 1997-05-23
EARLIER FILING DATE: 1997-05-23
EARLIER FILING DATE: 1997-05-23
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,597
EARLIER APPLICATION NUMBER: 60/047,597
EARLIER APPLICATION NUMBER: 60/047,502
EARLIER FILING DATE: 1997-05-23
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Best Local Similarity 75.0
"Chokes 6; Conservative
EARLIER APPLICATION NUMBER:
EARLIER APPLICATION NUMBER:
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CURRENT FILING DATE: 1996.09-08
EARLIER APPLICATION NUMBER: PCT/US98/04493
EARLIER FILING DATE: 1998.03-06
EARLIER APPLICATION NUMBER: 60/040,162
EARLIER FILING DATE: 1997-03-07
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                                                                                                                  EARLIER APPLICATION NUMBER: 60/
EARLIER FILING DATE: 1997-05-23
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FILING DATE: 1997-03-07
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o. 6333403
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Rommens, Johanna M.
Myriad Genetics, Inc.
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Teng, David H.F.
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Pred. No. 2.1e+0;
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ER FILING DATE: 1997-05-23
ER FILING DATE: 1997-05-23
ER FILING DATE: 1997-05-23
ER APPLICATION NUMBER: 60/047, 492
ER FILING DATE: 1997-05-23
ER APPLICATION NUMBER: 60/047, 612
ER FILING DATE: 1997-05-23
ER APPLICATION NUMBER: 60/043, 560
ER FILING DATE: 1997-04-11
ER FILING DATE: 1997-04-11
ER APPLICATION NUMBER: 60/043, 314
ER FILING DATE: 1997-04-11
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ER FILING DATE: 1997-04-11
ER FILING DATE: 1997-04-11
ER APPLICATION NUMBER: 60/043, 311
ER FILING DATE: 1997-04-11
ER APPLICATION NUMBER: 60/043, 374
ER APPLICATION NUMBER: 60/043, 374
ER APPLICATION NUMBER: 60/043, 674
ER APPLICATION NUMBER: 60/043, 674
ER APPLICATION NUMBER: 60/043, 374
ER FILING DATE: 1997-04-11
ER APPLICATION NUMBER: 60/043, 374
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ER APPLICATION NUMBER: 60/043, 374
ER FILING DATE: 1997-04-11
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ER APPLICATION NUMBER: 60/047,618
ER FILING DATE: 1997-05-23
ER APPLICATION NUMBER: 60/047,503
ER FILING DATE: 1997-05-23
ER FILING DATE: 1997-05-23
ER APPLICATION NUMBER: 60/047,581
                                                                                                                  FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,630
APPLICATION NUMBER: 60/056,878
APPLICATION NUMBER: 60/056,878
APPLICATION NUMBER: 60/056,662
                        FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,662
FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,872
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FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/
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FILING DATE: 1997-04-11
APPLICATION NUMBER: 60/048,974
FILING DATE: 1997-06-06
APPLICATION NUMBER: 60/056,886
APPLICATION NUMBER: 60/056,886
FILING DATE: 1997-08-22
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FILING DATE: 1997-08-22
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FILING DATE: 1997-04
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EARLIER FILING DATE: 1997-05-23

EARLIER APPLICATION NUMBER: 60/047,586

EARLIER APPLICATION NUMBER: 60/047,590

EARLIER APPLICATION NUMBER: 60/047,590

EARLIER APPLICATION NUMBER: 60/047,590

EARLIER FILING DATE: 1997-05-23

EARLIER APPLICATION NUMBER: 60/047,594

EARLIER FILING DATE: 1997-05-23

EARLIER FILING DATE: 1997-05-23

EARLIER APPLICATION NUMBER: 60/047,593

EARLIER FILING DATE: 1997-05-23

EARLIER FILING DATE: 1997-04-11

EARLIER APPLICATION NUMBER: 60/043,578

EARLIER FILING DATE: 1997-04-11

EARLIER FILING DATE: 1997-05-23
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EARLIER FILING DATE: 1997-08-22
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ER APPLICATION NUMBER: 60/05
ER FILING DATE: 1997-08-22
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ER FILING DATE: 1997-08-22
ER APPLICATION NUMBER: 60/05
                                               ER APPLICATION NUMBER: 60/056,876
ER FILLING DATE: 1997-08-22
ER APPLICATION NUMBER: 60/056,881
ER FILLING DATE: 1997-08-22
ER APPLICATION NUMBER: 60/056,909
ER FILING DATE: 1997-08-22
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ER FILING DATE: 1997-08-22

ER APPLICATION NUMBER: 60/0:

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ER FILLING DATE: 1997-04-11
ER APPLICATION NUMBER: 60/056,632
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ER APPLICATION NUMBER: 60/056,664
ER FILING DATE: 1997-08-22
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FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,911
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: 60/056,903
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APPLICATION NUMBER: 60/056,875 FILING DATE: 1997-08-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 60/047,588 FILING DATE: 1997-05-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,599
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LING DATE: 1997-08-22
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В
; GENERAL INFORMATION:
APPLICANT: Cahboon, Rebecca E.
APPLICANT: Odell, Joan
APPLICANT: Rafalski, Antoni
TITLE OF INVENTION: Transcription Coactivators
FILE REFERENCE: BB-1169-B
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                                                                                                                                                                                                                                                                                                                                                                       ; LENGTH: 822
; TYPE: PRT
; ORGANISM: Mus musculus
US-09~564-805-222
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US-09-564-805-222
                                                                                                                                                  RESULT 12
US-09-342-648-9
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Best Local S
Matches 5
                                                                                                          Sequence 9, Application US/09342648 Patent No. 6248584
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Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 200-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
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EARLIER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Su:
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Tavtigian, Sean V. APPLICANT: Teng, David H.F. APPLICANT: Simard, Jacques APPLICANT: Rommens, Johanna M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EARLIER
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296 VECPDEGFIL 305
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                                                                                                                                                                                                                                                                                              Local Similarity es 6; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4 CPDESW 9
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ER FILING DATE: 1997-09-05
ER APPLICATION NUMBER: 60/056,884
ER FILING DATE: 1997-08-22
ER APPLICATION NUMBER: 60/057,669
ER FILING DATE: 1997-09-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: 60/049,610
FILING DATE: 1997-06-13
APPLICATION NUMBER: 60/061,060
FILING DATE: 1997-10-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 60/056;908
FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/048,964
FILING DATE: 1997-06-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/
FILING DATE: 1997-08-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PatentIn Ver. 2.0
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                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                    56.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            56.1%; Score 37; DB 4;
83.3%; Pred. No. 1.6e+02;
tive 0; Mismatches 1
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                                                                                                                                                                                                                                                                                                                    Score 37; DB 4; pred. No. 3e+02;
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CURRENT APPLICATION NUMBER: US/09/342,648
CURRENT FILING DATE: 199-06-29
EARLIER APPLICATION UNMBER: 60/092,659
EARLIER FILING DATE: July 13, 1998
NUMBER OF SEQ ID NOS: 10
SOFTWARE: Microsoft Office 97
SEQ ID NO 9
LENGTH: 885
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                  CIP: 60606

CIP: 60606

CIP: 60606

CIMPUTER READABLE FORM:

MEDIUM TYPE: Ploppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOCTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION NUMBER: US/08/777,405A

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: No. 5858753and, Greta E.

REGISTRATION NUMBER: 35,302

REGISTRATION NUMBER: 27866/33441

TELECOMMUNICATION INFORMATION:

TELEFONE: (312) 474-6300

TELEFAX: (312) 474-6448

TELEFAX: (312) 474-0448
                                                                                                                                                                                                                   TELEFAX: (312) 474-0448

TELEX: 25-3856

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1044 amino acids
TYPE: amino acid
TYPE: amino acid
TYPE: 1044 anino acids
TYPE: TIPE: protein
US-08-777-405A-2
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US-08-777-405A-2
Sequence 2. Application US/08777405A
Patent No. 5858753
GENERAL INFORMATION:
RESULT 14
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Best Local :
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APPLICANT: Hoekstra, Merl F.
APPLICANT: Holtman, Douglas A
TITLE OF INVENTION: No. 5858753el Lipid Kinase
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSE: Marshall O'Toole Gerstein Murray & Borun
STREET: 6300 Sears Tower/233 South Wacker Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STREET: 6300 Sear
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606
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                                                                        56.18;
Local Similarity 75.08;
as 6; Conservation
                                                                                                                                                 Local Similarity es 6; Conserv
                                                                                                             2 VDCPDESW 9
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                                                                                                                                                   Conservative
                                                                                                                                                                56.1%;
75.0%;
                                                                                                                                                 0;
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                                                                                                                                                 Score 37; DB 2; Louis Pred. No. 3.8e+02; D; Mismatches 2;
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Pred. No. 3.
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3.2e+02;
3.2e+02; Indels
                                                                                                                                                                                   Length 1044;
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WENDLY APPLICATION US/09225951

Sequence 2, Application US/09225951

Patent No. 598589

Patent No. 598589

GEMERAL INFORMATION:
APPLICANT: Chantry, David
APPLICANT: Holtzman, Douglas A
TITLE OF INVENTION: No. 5985589el Lipid Kinase
NUMBER OF SEQUENCES: 17

CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall O'Toole Gerstein Murray & Borun
STREET: 6300 Sears Tower/233 South Wacker Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-977-871A-2

; Sequence 2, Application US/08977871A

; Patent No. 5882910

; GENERAL INFORMATION:
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US-08-977-871A-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ATTORNEY/AGET INFORMATION:

NAME: NO. 5882010and, Creta E.

REGISTRATION NUMBER: 35,302

REFERENCE/DOCKET NUMBER: 27866/3

TELECOMMUNICATION INFORMATION:

TELEPHONE: (312) 474-6300

TELEFAX: (312) 474-0448

TELEY SET (312) 474-0448

TELEY SET (312) 474-0448

TELEY SET (312) 474-046

TELEY: 25-3856

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1044 amino acids

TYPE: amino acid

TYPE: amino acid

TOPOLOGY: linear

TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity /3.~
6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER REDIABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: FLOP PC COMPATION
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Vers
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/977,871A
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Chantry, David
APPLICANT: Hoekstra, Merl F.
APPLICANT: Holtzman, Douglas A
TITLE OF INVENTION: No. 5882910el Lipid Kinase
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
                                                                                                  STREET: 6300 Sear
CITY: Chicago
STATE: Illinois
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: Marshall O'Toole Gerstein Murray & Borun STREET: 6300 Sears Tower/233 South Wacker Drive CITY: Chicago STATE: Illinois
                                                                      COUNTRY: USA
ZIP: 60606
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: U
ZIP: 60606
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOUTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: US/09/225,951
FILING DATE:
APPLICATION NUMBER: 35,302
ATTORNEY/AGENT IMPORMATION:
REFERENCE/DOCKET NUMBER: 37,302
REFERENCE/DOCKET NUMBER: 37,302
REFERENCE/DOCKET NUMBER: 27866/33441
FILECOMMUNICATION IMPORMATION:
FILEPHONE: (312) 474-6300
FILEPHONE: (312) 474-6300
FILEPHONE: (312) 474-6300
FILEPHONE: (312) 474-0448
FILEFAX: (312) 474-0300
FILEFAX: (312) 474-0448
FILEFAX: (312) 474-0300
FILEFAX: (312) 474-0448
FILEFAX: (312) 474-0300
FILEFAX: (312) 4
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Result
No.
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Maximum Match 10
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Maximum DB
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Scoring table:
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                                                                                                                                                                                                                                                                                                                                                                                 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                           Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   seg length: 0
seg length: 2000000000
    protein search, using sw model
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Listing first 45 summaries
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/cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US09_NEW.PUB.pep:*
/cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US10_NEW.PUB.pep:*
/cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*
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/cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
/cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
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    US-09-897-778-466
US-09-857-778-465
US-09-857-716A-400
US-09-857-778-400
US-09-897-778-470
US-09-897-778-705-176
US-09-897-778-705-176
US-09-897-716A-348
US-09-897-778-476
US-09-897-778-476
US-09-897-778-476
US-09-897-778-479
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457, App
176, App
177, App
177, App
178, App
179, App
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US-09-897-778-466
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TYPE: PRT
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Henderson, Robert A.
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Vedvick, Thomas S.
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US-10-175-746-234	US-10-140-470-234		US-10-121-049-234	US-10-028-072-234	US-10-027-591-2	US-09-988-687-222	US-09-988-626-222	1	US-09-809-391-707	US-09-988-687-226	US-09-988-687-224	US-09-988-687-2	US-09-988-626-226	US-09-988-626-224	US-09-988-626-2	US-09-925-299-851	US-09-925-299-851	US-09-796-692-1641	US-09-796-692-1076	US-09-796-692-687	US-09-796-692-878	US-09-796-692-1561	US-09-796-692-1087	US-09-764-864-1116	US-09-897-778-399
Sequence 234, App	Sequence 234, App	Sequence 234, App	`	Sequence 234, App	Sequence 2, Appli	Sequence 222, App	Sequence 222, App	Sequence 2, Appli	Sequence 707, App	Sequence 226, App		Sequence 2, Appli	Sequence 226, App	Sequence 224, App	Sequence 2, Appli	Sequence 851, App	Sequence 851, App	•		ъ		Sequence 1561, Ap	Sequence 1087, Ap	,	~

ALIGNMENTS

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US-09-897-778-465
Sequence 465, Application US/09897778
Patent No. US20020147143A1
GENERAL INFORMATION:
                                                                                                                                                                                      Query Match
Best Local Similarity
Watches 11; Conserv:
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APPLICAMT: Fanger, Neil
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C16
CURRENT PLICATION NUMBER: US/09/897,778
CURRENT FILING DATE: 2001-06-28
NUMBER OF SEQ ID NOS: 467
SOETWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 466
                                                                                                                                  1 FVDCPDESWAL 11
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Pred. No. 0.0001;
Mismatches 0
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APPLICANT:

Marnerakis, Margarita Fanger, Gary R. Vedvick, Thomas S. Carter, Darrick

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FILE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
FILE REFERENCE: 210121.45SC14
CURRENT APPLICATION NUMBER: US/09/735,705
CURRENT FILING DATE: 200-12-12
NUMBER OF SEQ ID NOS: 419
SOFTWARE: FASTSEQ FOR Windows Version 3.0
LENGTH: 20
TYPE: PRT
ORGANIZER
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APPLICANT: Watanabe, Yoshihiro
APPLICANT: Henderson, Robert A.
APPLICANT: Peckham, David W.
APPLICANT: Peckham, David W.
APPLICANT: Peckham, David W.
APPLICANT: Fanger, Neil
ITILE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
ITILE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
CURRENT APPLICATION NUMBER: US/09/897,778
CURRENT APPLICANTON NUMBER: US/09/897,778
CURRENT FILING DATE: 2001-06-28
NUMBER OF SEQ ID NOS: 467
SECTIVARE: FastSEQ for Windows Version 4.0
SEQ ID NO 465
LENGTH: 18
TYPE: PRT
ORGANISM: Homo Sapiens
US-09-897-778-465
RESULT 4
US-09-850-716A-400
; Sequence 400, Application US/09850716A
; Patemt No. U$20020115139A1
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APPLICANT: Henderson, Roi
APPLICANT: McNelll, Part
APPLICANT: Fanger, Neil
TITLE OF INVENTION: AND IT
FILE REFERENCE: 210121.4:
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Best Local :
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2 FVDCPDESWAL 12
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US20020052329A1
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Fan, Liqun
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Henderson, Robert A.
McNeill, Patricia D.
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Hosken, Nancy
Fanger, Gary R.
Li, Samuel X.
                                                                                                                                                                                           100.0%; Score 66; DB 10; Length 20; ilarity 100.0%; Pred. No. 0.00018; Conservative 0; Mismatches 0; Indels
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APPLICANT: Peckham, David w.

APPLICANT: Peckham, David w.

APPLICANT: Fanger, Neil

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

FILE REFERENCE: 210121.455C16

CURRENT APPLICATION NUMBER: US/09/897,778

CURRENT FILING DATE: 2001-06-28

NUMBER OF SEQ ID NOS: 467

SOPTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 400

LENGTH: 20

TYPE: PRT

ORGANISM: Homo sapiens

US-09-897-778-400
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APPLICANT: MCNeill, Patricia D.
APPLICANT: MCNeill, Patricia D.
APPLICANT: MCNeill, Patricia D.
APPLICANT: MCNeill, Patricia D.
APPLICANT: Retter, Marc W.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 2012.1.45c15
CURRENT APPLICATION NUMBER: US/09/850,716A
CURRENT APPLICATION NUMBER: US/09/850,716A
CURRENT FILING DATE: 2001-05-07
NUMBER OF SEQ ID NOS: 440
SOFTMARE: FastSEQ for Windows Version 3.0
SEQ ID NO 400
LENGTH: 20
TYPE: PRT
TOPCHARTEN: 1000 Sanians
                                                                                                                               RESULT 6
US-09-897-778-457
Sequence 457, Application US/09897778
Patent No. US20020147143A1
GENERAL INFORMATION:
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US-09-897-778-400
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APPLICANT: Fanger, Gary R.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Watvick, Thomas S.
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Henderson, Robert A.
APPLICANT: Peckham, David W.
APPLICANT: Peckham, David W.
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Best Local Similarity 100.
Matches 11; Conservative
APPLICANT: Wang, Tongtong
APPLICANT: Marnerakis, Margarita
APPLICANT: Fanger, Gary R.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Watanabe, Yoshihiro
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100.0%; Pred. No. 0.00018;
tive 0; Mismatches 0;
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Pred. No. 0.00018
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Best Local Similarity
"~+~hes 11; Conserv?
                                                                                                                      US-09-735-705-348
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LENGTH: 20
TYPE: PRT
                                                                               GENERAL INFORMATION:
                                                                                         Sequence 348, Application US/09735705
Patent No. US20020052329A1
                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQ ID NOS: 419
SOFTWARE: FastSEQ for Windows Version
SEQ ID 0 176
                                                                                                                                                                                                                                   Best Local Similarity
Matches 11; Conserv
                                                                                                                                                                                                                                                               Query Match
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CURRENT APPLICATION NUMBER: US/09/897,778
CURRENT FILING DATE: 2001-06-28
                                                                APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/09
CURRENT FILING DATE: 2000-12-12
                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: AND DIAGNOTTLE REFERENCE: 210121.455C14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQ ID NOS: 467
SOFTWARE: FastSEQ for Windows Version 4.0
                                                    APPLICANT:
                                                                                                                                                                                                                                                                                                   LENGTH: 579
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: COM
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                                                                                                                                                                                                                                   11; Conservative
Wang, iv...
Wang, iv...
Fan, Liqun
Kalos, Michael D.
Chaitanya S.
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Tan, Liqun
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         McNeill, Patricia D.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Fanger, Gary R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Hosken,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Tongtong
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AND DIAGNOSIS OF LUNG CANCER
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Pred. No. 0.00018;
                                                                                                                                                                                                                                              Score 66; I
                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                              .0042;
                                                                                                                                                                                                                                                          Length 579;
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US-09-850-716A-348; Sequence 348, Application US/09850716A; Patent No. US20020115139A1
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Best Local Similarity
"~+~hes 11; Conserva
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                            GENERAL INFORMATION:
APPLICANT: Kalos, Michael D.
APPLICANT: MCNeill, Patricia D.
APPLICANT: Retter, Marc W.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 21012.455C15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: FastSEQ for Windows Version 3.0 SEQ ID NO 176 LENGTH: 579
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CURRENT APPLICATION NUMBER: US/09/735,705
CURRENT FILING DATE: 2000-12-12
NUMBER OF SEQ ID NOS: 419
SOFTWARE: PastSEQ for Windows Version 3.0
SEQ ID NO 348
LENGTH: 579
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Best Local :
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APPLICANT: McNeill, Patricia D.
APPLICANT: Retter, Marc W.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455015
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CURRENT APPLICATION NUMBER: US/09/850,716A CURRENT FILING DATE: 2001-05-07
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                             Local
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McNeill, Patricia D.
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Skeiky, Yasir A.W.
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Fanger, Gary R.
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Pred. No. 0.0042;
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Pred. No. 0.0042;
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APPLICANT: Wang, Tongtong
APPLICANT: Marnerakis, Margarita
APPLICANT: Panger, Gary R.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Matanabe, Yoshihiro
APPLICANT: Henderson, Robert A.
APPLICANT: Peckham, David W.
APPLICANT: Penger, Neil
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C16
CURRENT APPLICATION NUMBER: US/09/897,778
CURRENT FILING DATE: 2001-06-28
NUMBER OF SPQ ID NOS: 467
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US-09-897-778-176
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US-09-897-778-348
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US-09-897-778-176
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Best Local :
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Best Local :
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APPLICANT:
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TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C16
CURRENT APPLICATION NUMBER: US/09/897,778
CURRENT FILING DATE: 2001-06-28
NUMBER OF SEQ ID NOS: 467
SOFTWARE: FastSEQ for Windows Version 4.0
LENGTH. 579
TYPE: PRT
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SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 348
LENGTH: 579
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es 11; Conserv
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Watanabe, Yoshihiro
Wanderson, Robert A.
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Fanger, Gary R.
Vedvick, Thomas S.
Carter, Darrick
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Pred. No. 0.0042;
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; LENGTH: 579
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-897-778-446
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SEQ ID NO 348

LENGTH: 579

TYPE: PRT

GRGANLEM: Homo sapiens

US-09-897-778-348
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US-09-897-778-446
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APPLICANT:
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APPLICANT:
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PATENT NO. US20020147143A1
GENERAL INFORMATION:
APPLICANT: Wang, Tongtong
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Best Local S
Matches 11
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SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 446
LENGTH: 579
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Best Local Similarity 100
Matches 11; Conservative
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APPLICANT: Henderson, Robert A.
APPLICANT: Peckham, David W.
APPLICANT: Panger, Neil
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C16
CURRENT APPLICATION NUMBER: US/09/897,778
CURRENT FILING DATE: 2001-06-28
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APPLICANT:
APPLICANT: Fanger, Neil
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C16
CURRENT APPLICATION NUMBER: US/09/897,778
CURRENT FILING DATE: 2001-06-28
NUMBER OF SEQ ID NOS: 467
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                     APPLICANT:
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Vedvick, Thomas S.
Carter, Darrick
Watanabe, Yoshihiro
Henderson, Robert A.
Peckham, David W.
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Vedvick, Thomas S.
Carter, Darrick
Watanabe, Yoshihiro
Henderson, Robert A.
Peckham, David W.
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100.0%; Pred. No. 0.0
tive 0; Mismatches
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RESULT 15
US-09-850-716A-427
US-09-850-716A-427
; Sequence 427, Application US/09850716A
; Patent No. US20020113139A1
; Patent No. US20020113139A1
; GENERAL INFORMATION:
APPLICANT: Kalos, Michael D.
APPLICANT: MCWeill, Patricia D.
APPLICANT: MCWeill, Patricia D.
APPLICANT: MCWeill, Patricia D.
APPLICANT: MCWeill, Patricia D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C15
; CURRENT APPLICATION NUMBER: US/09/850,716A
; CURRENT FILING DATE: 2001-05-07
; NUMBER OF SEQ ID NOS: 440
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 427
; LENCTH: 586
; TYPE: PRT
; ORGANISM: Homo sapiens
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LENGTH: 579;
; TYPE: PRT;
ORGANISM: Homo sapiens
US-09-897-778-449
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Search completed: April 16, 2003, 16:32:09 Job time: 1.83087 secs
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48 FVDCPDESWAL 58
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Minimum DB seq length: 0
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Listing first 45 summaries
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2: /cgn2_6/ptodata/1/paa//
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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US-09-897-778-465	PCT-US01-47576-465	US-10-117-982-466	US-10-007-700-466	US-09-897-778-466	PCT-US01-47576-466	DB ID
Sequence 465, App	Sequence 465, App	Sequence 466, App	Sequence 466, App	Sequence 466, App	Sequence 466, App	Description

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Sequence 348, App. Sequence 49019, A	sequence 348, App	176,	348	176,	348	176,	348,	176,	348,	176,	Sequence 348, App	176,	348,	Sequence 176, App	176,	176,	Sequence 176, App	Sequence 176, App	449,	446,	348,	176,	equence 482,	e 457,	400,	Sequence 457, App	400	457	400,	400,	400	ce 400	equence	quence 400,	e 465	equence 465,	

ALIGNMENTS

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SOFTWARE: FastSEQ for Windows Version 4.0	NUMBER OF SEQ ID NOS: 469	CURRENT FILING DATE: 2001-11-30	CURRENT APPLICATION NUMBER: PCT/US01/47576	FILE REFERENCE: 210121.45503PC	TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER	TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY	APPLICANT: Foy, Teresa M.	APPLICANT: Cai, Feng	APPLICANT: Peckman, David W.	APPLICANT: Watanabe, Yoshihiro	APPLICANT: Carter, Darrick	-	APPLICANT: Fanger, Gary R.	APPLICANT: Durham, Margarita	APPLICANT: Retter, Marc W.	APPLICANT: Fanger, Neil	APPLICANT: McNeill, Patricia D.	APPLICANT: Henderson, Robert A.	APPLICANT: Kalos, Michael D.	APPLICANT: Li, Samual X.	APPLICANT: Skeiky, Yasir A.W.	APPLICANT: Wang, Aijun	APPLICANT: Wang, Tongtong	APPLICANT: Corixa Corporation	GENERAL INFORMATION:	Sequence 466, Application PC/TUS0147576	PCT-US01-47576-466	RESULT 1

; ORGANISM: Homo sapiens PCT-US01-47576-466

SEQ ID NO 466 LENGTH: 11 TYPE: PRT

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RESULT 3
US-10-007-700-466
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US-09-897-778-466
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Best Local S
Matches 11
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TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C16
CURRENT APPLICATION NUMBER: U5/09/897,778
CURRENT FILING DATE: 2001-06-28
NUMBER OF SEQ ID NOS: 467
SOFTWARE: FRSTSEQ for Windows Version 4.0
LENGTH: 11
TYPE: PRT
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Best Local Similarity 100.
Matches 11; Conservative
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TITLE OF
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INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY INVENTION: AND DIAGNOSIS OF LUNG CANCER
                                                                                       Durham, Margarita
Fanger, Gary R.
Vedvick, Thomas S.
Carter, Darrick
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Henderson, Robert A.
Peckham, David W.
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Vedvick, Thomas
Carter, Darrick
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                                                           Watanabe, Yoshihi
Peckman, David W.
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Henderson, Robert A.
McNeill, Patricia D.
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                               Teresa M.
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Pred. No. 0.0011;
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APPLICANT: Far, Lique
APPLICANT: Wang, Tongtong
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY,
TITLE OF INVENTION: COMPOSITIONS OF LUNG CANCER
FILE REFERENCE: 210121.455C18
CURRENT APPLICATION NUMBER: US/10/117,982
CURRENT FILLING DATE: 2002-04-05
CURRENT FILLING DATE: 2002-04-05
NUMBER OF SEQ ID NOS: 484
SOFTWARE: FASTSEQ FOR Windows Version 4.0
TYPE: Nom
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-117-982-466
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US-10-117-982-466
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APPLICANT: Fanger, Gary R.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Garter, Darrick
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Kalos, Michael D.
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CURRENT APPLICATION NUMBER: U5/10/007,700
CURRENT FILING DATE: 2001-11-30
NUMBER OF SEQ ID NOS: 469
SOFTMARE: FastSEQ for Windows Version 4.0
SEQ ID NO 466
                                                                                                                                                                                                                 Seguence 465, Application PC/TUS0147576 GENERAL INFORMATION:
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Best Local Similarity 100.0%;
Matches 11; Conservative 0
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TYPE: PRT
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Fanger, Neil
Retter, Marc W.
Durham, Margarita
Fanger, Gary R.
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Henderson, Robert A.
Kalos, Michael D.
Mericle, Barbara
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Henderson, Robert
McNeill, Patricia
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Wang, Aijun
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Pred. No. 0.0011;
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PPLICANT:

Vedvick, Thomas Carter, Darrick

Thomas S.

Yoshihiro

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; TYPE: PRT; ORGANISM: Homo sapiens
PCT-US01-47576-465
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                                                                                                                        RESULT 7
US-10-007-700-465
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CURRENT APPLICATION NUMBER: PCT/US01/47576
CURRENT FILING DATE: 2001-11-30
NUMBER OF SEQ ID NOS: 469
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 465
LENGTH: 18
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Matches 11; Conserv
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SEQ ID NO 465
LENGTH: 18
                                                                                        Sequence 465, Application US/10007700 GENERAL INFORMATION:
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Best Local Similarity
Matches 11; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: FRANGE, Neil
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C16
FURRENT APPLICATION NUMBER: US/09/897,778
CURRENT FILLING DATE: 2001-06-28
NUMBER OF SEQ ID NOS: 467
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                                          APPLICANT: Wang, Tongtong
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir
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APPLICANT:
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Peckman, David W.
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                         Skeiky, Ýasir A.W.
Li, Samual X.
Henderson, Robert A.
           Kalos, Michael D.
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Pred.
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Pred. No. 0.0018;
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US-10-117-982-465
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Best Local Similarity
"~+~hes 11; Conserva
Вþ
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                                                                                                                ; ORGANISM: Homo sapiens US-10-117-982-465
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                                                                                                                                                                        NUMBER OF SEQ ID NOS: 484
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 465
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TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C17
CURRENT APPLICATION NUMBER: US/10/007,700
CURRENT APPLICATION NUMBER: 105/10/007,700
CURRENT FILING DATE: 2001-11-30
NUMBER OF SEQ ID NOS: 469
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Best Local
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TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C18
CURRENT APPLICATION NUMBER: US/10/117,982
CURRENT FILING DATE: 2002-04-05
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                                                                                                                                               LENGTH: 18
TYPE: PRT
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               1 FVDCPDESWAL 11
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FVDCPDESWAL
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11; Conserv
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Carter, Darrick
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Retter,
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Peckman, David W.
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Fanger, Gary R.
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Carter, Darrick
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Mericle, Barbara
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Henderson, Robert A.
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Pred. No. 0.0018;
                                                                         Score 66;
Pred. No.
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                                                                          DB 25;
0.0018;
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RESULT 9
PCT-US01-47576-400
; Sequence 400, Application PC/TUS0147576

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Gaps

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APPLICANT: Cal, Feng
APPLICANT: Foy, Teresa M.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.45503PC
CURRENT FILLING DATE: 2001-11-30
NUMBER OF SEQ ID NOS: 469
SOFTWARE: FASTSEO for Windows Version 4.0
SEQ ID NO 457
LENGTH: 20
TYPE: PRT
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TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.45503PC
CURRENT APPLICATION NUMBER: PCT/US01/47576
CURRENT FILLING DATE: 2001-11-30
NUMBER OF SEQ ID NOS: 469
SOFTMARE: FastSEQ for Windows Version 4.0
SEQ ID NO 400
LENGTH: 20
TYPE: PCT
ORGANISM: Homo sapiens
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Kalos, Michael D.
Henderson, Robert A.
Henderson, Patricia D.
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Retter, Marc W.
Durham, Margarita
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Peckman, David W.
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Fanger, Gary R.
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Pred. No. 0.0019;
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APPLICANT: McNeill, Patricia D.
APPLICANT: MCNeill, Patricia D.
APPLICANT: Fanger, Neil
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIACROSIS OF LUNG CANCER
FILE REPERENCE: 210121.455C14
CURRENT APPLICATION NUMBER: US/09/735,705
CURRENT FILING DATE: 2000-12-12
NUMBER OF SED ID NOS: 419
SOFTWARE: FASTSEQ FOR WINDOWS VETSION 3.0
SED ID NO 400
TENGTH: 20
TYPE: PRT
ORGANISM: Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local :
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Best Local
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APPLICANT:
                  CURRENT APPLICATION NUMBER: US/09/850,716
CURRENT FILING DATE: 2001-05-07
NUMBER OF SEQ ID NOS: 440
                                                               TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER FILE REFERENCE: 210121.455C15
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es 11; Conserva
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Local Similarity 100.0%;
es 11; Conservative 0
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INFORMATION:
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Fan, Liqun
Kalos, Michael D.
Bangur, Chaitanya S
Hosken, Nancy
Fanger, Gary R.
Li, Samuel X.
                                                                                                                                                                                                            Fan, Liqun
Kalos, Michael D.
Bangur, Chaitanya
Hosken, Nancy
Fanger, Gary R.
Li, Samuel X.
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Skeiky, Yasir A.W.
Henderson, Robert A.
MCNeill, Patricia D.
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Pred. No. 0.0019;
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SOFTWARE: FastSEQ for Windows Version SEQ ID NO 400 $\,$

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; TYPE: PRT; ORGANISM: Homo sapiens US-09-897-778-400
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; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-850-716A-400
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-850-716-400
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Best Local Similarity
Matches 11; Conserv
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Best Local Similarity 100.0%;
Matches 11; Conservative 0.
                                                                                                        SEQ ID NO 400
LENGTH: 20
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APPLICANT: McNeill, Patricia D.
APPLICANT: McNeill, Patricia D.
APPLICANT: Retter, Marc W.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY -
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C15
FILE REFERENCE: 210121.455C15
CURRENT APPLICATION NUMBER: US/09/850,716A
CURRENT FILING DATE: 2001-05-07
NUMBER OF SEQ ID NOS: 440
SOFTWARE: FastSEQ for Windows Version 3.0
Query Match
Best Local Similarity
                                                                                                                                      APPLICANT: FRANGE; Neil
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C16
CURRENT APPLICATION NUMBER: US/09/897,778
CURRENT FILLING DATE: 2001-06-28
NUMBER OF SEQ ID NOS: 467
SOFTMARE: FRANCE CONTROL OF WINDOWS VETSION 4.0
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Vedvick, Thomas
Carter, Darrick
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Henderson, Robert A.
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Pred. No. 0.0019;
Nismatches 0;
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Pred. No. 0.0019;
Score 66; DB 22; pred. No. 0.0019;
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Search completed: April 16, 2003, 16:29:54
Job time: 7.38752 secs
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SEQ ID NO 457
LENGTH: 20
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CURRENT FILING DATE: 2001-06-28
NUMBER OF SEO ID NOS: 467
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APPLICANT: Peckham, David W.
APPLICANT: Fanger, Neil
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C16
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Carter, Darrick
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score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
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US-10-313-986-465

US-10-313-986-457

US-10-313-986-457

US-10-313-986-508

US-10-313-986-82

US-10-313-986-82

US-09-724-676-92917

US-09-724-676-92917

US-09-724-676-92916
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US-09-724-676-92918

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US-10-313-986-176

US-10-313-986-348

US-10-313-986-449

US-10-313-986-480

US-10-313-986-480
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US-10-348-119-255

US-10-313-986-427

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US-09-724-676-48618

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US-10-313-986-466
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LENGTH: 11
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Best Local S
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APPLICANT: MCNa
APPLICANT: Wata
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47	47	47	47	47	47	47	47	58	58	58	59	59	59	59	59	59	59	59
71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2			87.9			89.4				89.4	9
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US-60-453-135-11527	US-10-313-986-501	US-60-453-050-11528	US-60-453-135-11528	US-10-262-445-40	PCT-US02-31357-40	US-60-452-680-15601	US-09-513-999C-7342	US-10-313-986-507	US-10-313-986-470	US-10-313-986-399	US-09-724-676A-48620	US-09-724-676A-48619	US-09-724-676-48620	US-09-724-676-48619	US-09-724-676A-48621	US-09-724-676A-48616	US-09-724-676-48621	US-09-724-676-48616
Sequence 1152/, A	Sequence 501, App	Sequence 11528, A	Sequence 11528, A	Sequence 40, Appl		~	Sequence 7342, Ap		•	Sequence 399, App	Sequence 48620, A	Sequence 48619, A	Sequence 48620, A	Sequence 48619, A	Sequence 48621, A	Sequence 48616, A	`	-

ALIGNMENTS

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Sequence 466, Application:
CURRENT APPLICATION (UMBER: US/10/313,986 CURRENT FILING DATE: 2002-12-04 NUMBER OF SEQ ID NOS: 560 SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 465 LENGTH: 18
                                                                                                                                                                                                                                                                                                 Sequence 465, Application US/10313986 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Reed, Steven G.
APPLICANT: Wang, Tongtong
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
                                                                                                                            TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER FILE REFERENCE: 210121.455C19
                                                                                                                                                                                        APPLICANT: Watanabe, Yoshihiro
APPLICANT: Reed, Steven G.
APPLICANT: Wang, Tongtong
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SOFTWARE: FastSEQ for Windows Version 4.0
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CURRENT APPLICATION NUMBER: US/10/313,986
CURRENT FILING DATE: 2002-12-04
                                                                                                                                                                                                                                                          APPLICANT: Foy, Teresa M. APPLICANT: McNabb, Andria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Homo sapiens
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McNabb, Andria
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Pred. No. 0.00025;
Mismatches 0;
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APPLICANT: Watanabe, Andria
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Wang, Tongtong
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C19
CURRENT APPLICATION NUMBER: US/10/313,986
CURRENT FILING DATE: 2002-12-04
NUMBER OF SEQ ID NOS: 560
SOFTWARE: FASTSEQ FOR WINDOWS Version 4.0
SEQ ID NO 400
LENGTH: 20
TYPE: PRT
TYPE: PRT
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; ORGANISM: Homo sapiens
US-10-313-986-465
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US-10-313-986-457
; Sequence 457, Applic
; GENERAL INFORMATION:
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US-10-313-986-400
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US-10-313-986-400
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                                                                                                                                        ; TYPE: PRT; ORGANISM: Homo sapiens US-10-313-986-457
                                                                                                                                                                                       NUMBER OF SEQ ID NOS: 560
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 457
LENGTH: 20
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GENERAL INFORMATION:
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Best Local
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APPLICANT: MCNADD, Andria
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Wang, Tongtong
APPLICANT: Wang, Tongtong
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
FILE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C19
CURRENT APPLICATION NUMBER: US/10/313,986
CURRENT APPLICATION NUMBER: US/10/313,986
CURRENT FILING DATE: 2002-12-04
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                                                                   Local Similarity 100 es 11; Conservative
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Local Similarity 100.0%;
les 11; Conservative (
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Local Similarity 100.0%;
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2 FVDCPDESWAL 12
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Pred. No. 0.00042;
0; Mismatches 0;
                                                                   Score 66; DB 6;
Pred. No. 0.00042;
; Mismatches 0;
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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Foy, Teresa M.
APPLICANT: WCNAbb, Andria
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Wang, Tongtong
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C19
CURRENT APPLICATION NUMBER: US/10/313,986
CURRENT FILING DATE: 2002-12-04
NUMBER OF SEQ ID NOS: 560
SOFTWARE: FASTSEQ FOR Windows Version 4.0
SEQ ID NO 508
SEQ ID NO 508
SEQ ID NO 508
LENGTH: 20
TYPE: PR 20
TYPE: PR 20
TYPE: PR 20
US-10-313-986-508
                                                                                   RESULT 7
US-09-724-676-92917
US-09-724-676-92917, Application US/09724676
Sequence 92917, Application US/09724676
GENERAL IMPORMATION:
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US-10-313-986-482
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US-10-313-986-508
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CURRENT APPLICATION NUMBER: US/10/313,986
CURRENT FILING DATE: 2002-12-04
NUMBER OF SEQ ID NOS: 560
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 482
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Best Local S
Matches 11
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Best Local :
APPLICANT: Compugen LTD.
TITLE OF INVENTION: Variants of alternative splicing
FILE REFERENCE: 129181.4 Compugen
CURRENT APPLICATION NUMBER: US/09/724,676
CURRENT FILING DATE: 2000-11-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Foy, Teresa M.
APPLICANT: McNabb, Andria
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Reed, Steven G.
APPLICANT: Wang, Tongtong
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11; Conserv
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Pred. No.
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Pred. No. 0.00084;
Mismatches 0;
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thes 0;
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APPLICANT: Compugen LTD
TITLE OF INVENTION: Variants of alternative splicing
FILE REFERECE: 129181.4 Compugen
CURRENT APPLICATION NUMBER: US/09/724,676A
CURRENT FILING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 97222
SOFTWARE: Patentin version 3.2
SEQ ID NO 99917
LENGTH: 134
TYPE: PRT
ORGANISM: Homo sapiens
US-09-724-676A-92917
                                                                                                                                                                                                                                                                                                                                                                                          RESULT 9
US-09-724-676-92916
US-09-724-676-92916, Application US/09724676
GENERAL INFORMATION:
APPLICANT: Compugen LTD
TITLE OF INVENTION: Variants of alternative splicing
FILE REFERENCE: 129181.4 Compugen
FILE REFERENCE: 129181.4 Compugen
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US-09-724-676A-92917
US-09-724-676A-92917, Application US/09724676A
; GENERAL INFORMATION:
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RESULT 10
US-09-724-676A-92916
Sequence 92916, Application US/09724676A
; GENERAL INFORMATION:
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Matches 11
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CURRENT FILING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 97222
SOFTWARE: Patentin version 3.2
SEQ ID NO 92916
SEQ ID NO 92916
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LENGTH: 134
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Best Local :
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SOFTWARE: PatentIn version 3.2
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Local Similarity 100.0%;
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Pred. No. 0.0023;
); Mismatches 0
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Pred. No. 0.0075;
; Mismatches 0;
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US-09-724-676-92918

Sequence 929.18, Application US/09724676

GENERAL INFORMATION:

APPLICANT: Compugen LTD

TITLE OF INVENTION: Variants of alternative splicing

FILE REFERENCE: 129181.4 Compugen

CURRENT APPLICATION NUMBER: US/09/724,676

CURRENT FILING DATE: 2000-11-28

NUMBER OF SEQ ID NOS: 97222

SOFTWARE: PatentIn version 3.2

SEQ ID NO 92918

LENGTH: 558

TYPE: PRT
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TYPE: PRT
ORGANISM: Homo sapiens
US-09-724-676A-92916
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US-09-724-676A-92918
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TITUE OF INVENTION: Variants of alternative splicing
FILE REFERENCE: 129181.4 Compugen
CURRENT APPLICATION NUMBER: US/09/724,676A
CURRENT FILING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 97222
SOFTWARE: PatentIn version 3.2
SEQ ID NO 92916
FENCHUL A02
                                                                                                                                                                        APPLICANT: Compugen LTD
TITLE OF INVENTION: Variants of alternative splicing
FILE REFERENCE: 129181.4 Compugen
CURRENT APPLICATION NUMBER: US/09/724,676A
CURRENT FILING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 972722
SOFTWARE: PatentIn version 3.2
SEQ ID NO 92918
LENGTH: 558
TYPE: PRT
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Best Local 9
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Best Local Similarity
Matches 11; Conserv
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                                                                   100.0%; Score 66; DB 5;
100.0%; Pred. No. 0.0084;
vative 0; Mismatches 0;
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Pred. No. 0.0084;
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Sequence 176, Application US/10313986

GERENAL INFORMATION
APPLICANT: Machabs cond:
APPLICANT: Need, Staven G.
Matchen Jl; Conservative W.O, Mismatches O. Indels O. Gaps O.
OSCANISM: Home Sapiens
OS. JD NO. 176

BESULT 14

BESULT 14

BESULT 15

BESULT 15

BESULT 16

GERENAL INFORMATION
APPLICANT: Need, Staven G.
APPLICANT: WAS APPLICANT NEED, AP
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; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 21021.455C19
; CURRENT APPLICANTION NUMBER: US/10/313,986
; CURRENT APPLICANTION NUMBER: US/10/313,986
; NUMBER OF SEO ID NOS: 560
; SOFTWARE: FRASISEQ for Windows Version 4.0
; SEO ID NO 446
; Presion 4.0
; PRESIDENT IO 100,0%; SCORE 66; DB 6; Length 579; DRGANISM; Homo Sapiens
; OGGANISM; Homo Sapiens
US-10-313-986-446
; ONE MAICH 100,0%; Pred. NO. 0.0087; DRGANISM; CONSERVATIVE 0; Mismatches 0; Indels 0; Gaps
Oy 1 FVDCPDESWAL 11
Db 41 FVDCPDESWAL 51
Db 41 FVDCPDESWAL 51
Search completed: April 16, 2003, 16:31:16
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